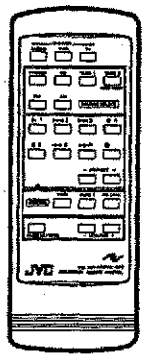
RX-308BK
RX-309TN

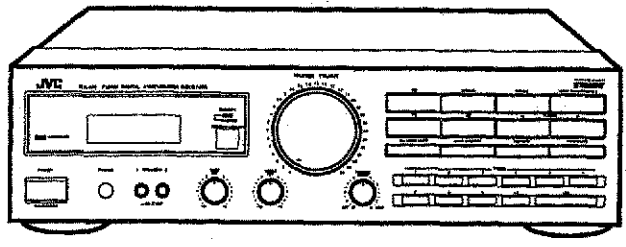
JVC

SERVICE MANUAL

STEREO RECEIVER

RX-308BK
RX-309TN





COMPU LINK
Remote
Control Component

Note : RX-398BK and RX-309TN are completely the same in their structure.except for their outlook colours.

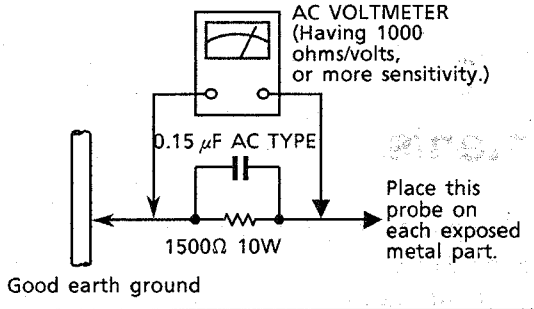
Contents

Safety Precautions 1-2
Instruction Book 1-3
Description of Major ICs 1-26
Internal Block Diagram of Other ICs 1-30
Internal Connection of the FL Display 1-31
Disassembly Procedures 1-32
FM/AM Tuner Alignment Procedures 1-33
Power Amplifier Adjustment Procedures 1-34
Block Diagrams 1-35
Schematic Diagrams ..... Insertion
Printed Circuit Boards ..... Insertion
Parts List ..... Separate-volume Insertion

No.20375
Dec.1992

Safety Precautions

1. The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute repalcement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage currnet check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, contorl shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500Ω 10 W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and meausre the AC voltage across the resistor.
     Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

Introduction

Thank you for purchasing the JVC RX-309TN receiver. We hope it will be a valued addition to your audio system. Be sure to read these instructions carefully before installing and operating the receiver.

Features

- Monitor recording quality
- Surround feature with two or four speakers
- Remote control
- Preset radio stations
- Easy to use

About This Manual

This manual gives you the basic information you need to install and use your receiver. It explains everything you need to know from turning the power switch on to basic troubleshooting. Please consult your JVC dealer if you have further questions about the receiver.

The following conventions are used in this manual:

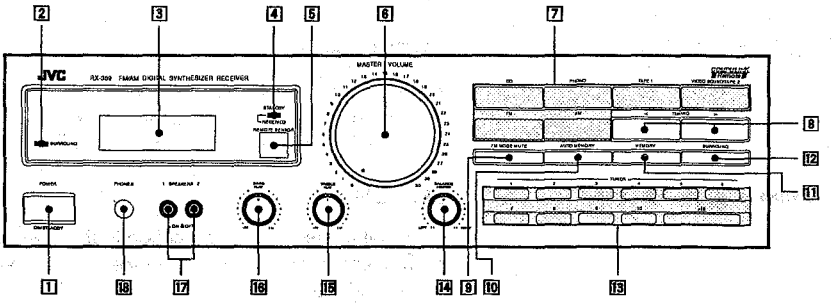
- Controls, buttons, and connection points on the back of the receiver are indicated with capital letters, like this: POWER button, AUDIO jacks
- Messages that appear on the display window are indicated with capital letters and in quotes, like this: "TUNED"
- Instructions that you need to follow to get the correct results are labeled ***IMPORTANT!***
- Helpful information is labeled ***NOTE:***
- To avoid electric shock to yourself or damage to the receiver, read the information labeled ⚠ **CAUTION!**

Contents

WARNINGS	inside front cover
INTRODUCTION	1
Features	1
About This Manual	1
CONTENTS	2
SWITCHES AND CONTROLS	3
Receiver	3
Remote Control	3
INSTALLATION	4
Cautions	4
Connecting Stereo Equipment	5
Connecting Speakers	7
Connecting an AM Antenna	8
Connecting an FM Antenna	9
Connecting the Power	10
OPERATION OUTLINE	11
Basic Operation Reference	11
SELECTING THE AUDIO SOURCE	12
Listening	12
Recording	12
RECEIVING AN AM/FM BROADCAST	13
Tuning	13
Selecting an FM Reception Mode	13
Presetting Tuned Frequencies	14
ADJUSTING THE VOLUME AND TONE	16
Adjusting the Volume	16
Adjusting the Tone	17
OPERATING AUDIO COMPONENTS	18
COMPU LINK Remote Control System	18
Using the Remote Control	19
TROUBLESHOOTING	21
SPECIFICATIONS	22
JVC SERVICE CENTERS	24
WARRANTY	inside back cover

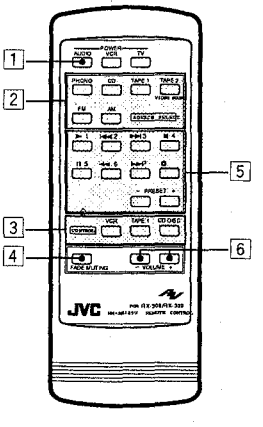
Switches and Controls

Familiarize yourself with the main switches and controls on your JVC RX-309TN receiver.



Receiver

1. POWER switch
2. SURROUND indicator
3. Display window
4. RECEIVED/POWER STANDBY indicator
5. REMOTE SENSOR window
6. MASTER VOLUME control
7. SOURCE selector buttons
8. TUNING buttons
9. FM MODE-MUTE button
10. AUTO MEMORY button
11. MEMORY button
12. SURROUND button
13. TUNER buttons
14. BALANCE control
15. TREBLE control
16. BASS control
17. SPEAKERS buttons
18. PHONES jack



Remote Control

1. POWER switch
2. SOURCE SELECT buttons
3. CONTROL buttons
4. FADE MUTING button
5. Buttons for operating components
6. VOLUME adjuster

Installation

This section explains how to connect the receiver to other stereo equipment and speakers, and how to connect the power supply.

⚠ Cautions

Before Installation

⚠ **CAUTION!** Before installing your receiver:

- Make sure your hands are dry.
- Turn the power off to all components.
- Read the installation instructions for all components you are going to connect.

Positioning the Receiver

⚠ **CAUTION!**

- Install the receiver in a location that is level and protected from moisture.
- The temperature around the receiver must be between 23° and 104° F (–5° and 40° C).
- Make sure there is good ventilation around the receiver. Poor ventilation could cause overheating and damage the receiver.

Making Power Connections

⚠ **CAUTION!**

- Do not handle the power cord with wet hands.
- Do not pull on the power cord to unplug the receiver. Always grab the plug directly so as not to damage the cord.

Handling the Receiver

⚠ **CAUTION!**

- Do not insert any metal object into the receiver.
- Do not disassemble the receiver or remove screws, covers, or cabinet.
- Do not expose the receiver to rain or moisture.

Connecting Stereo Components

Before Starting

Before connecting the receiver, read the following paragraphs carefully.

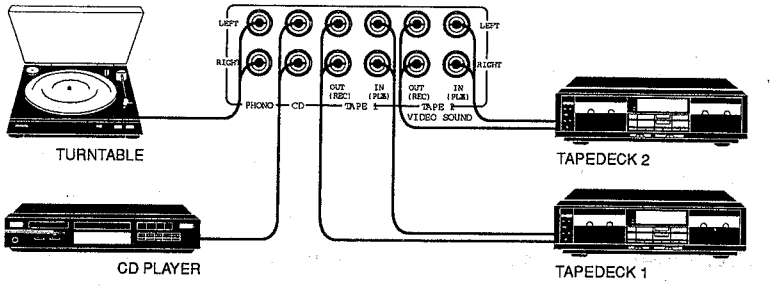
IMPORTANT! *The left channel of any audio component must be connected to the left-channel jack of the receiver, and the right channel to the right-channel jack. If they are reversed, the stereophonic image will not be correct.*

NOTE: *To ensure correct connections, insert the red plug into the right channel.*

Basic Connections

Connect stereo componentz to the amplifier using cables with RCA PIN plugs. Connect the output jacks on a tape deck to the jacks marked IN (PLAY) on the amplifier, and the input jacks to those marked OUT (REC).

NOTE: *Any turntables incorporating a small-output cartridge such as an MC (moving-coil type) must be connected to this amplifier through a commercial head amplifier or step-up transformer. Direct connection may result in insufficient volume.*

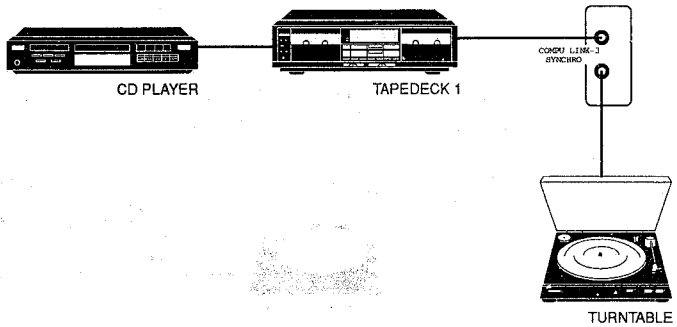


COMPU LINK-3 Connections

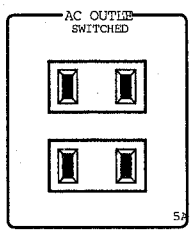
COMPU LINK-3 SYNCHRO jacks on the back of the receiver connect the COMPU LINK remote control system. This system connects other JVC audio components with the receiver to make listening and recording more convenient. To use this system, attach the cables provided with your JVC components to the COMPU LINK-3 SYNCHRO jacks on the rear panel of each component. Then connect the cables to the receiver.

NOTES:

- *COMPU LINK-3 is an upgraded version of COMPU LINK-1. If your equipment provides COMPU LINK-1 jacks, you can still connect your equipment, but slight imperfections may result. Automatic Power ON/OFF, for example, may not always function properly.*
- *Refer to page 18 for details about the COMPU LINK remote control system.*
- *COMPU LINK does not work on Tape Deck 2.*



Other Audio Connections



Use the socket on the back of the receiver to connect the power supply of any audio components. By pressing the POWER switch on the remote control, you can turn the receiver, and all connected components, on or off at the same time.

In the United States, AC outlets have a capacity of 150 watts.

⚠ **CAUTION!** Do not connect any components that consume more power than the AC outlets capacity. This capacity is indicated below the socket on the back of the receiver.

Connecting Speakers

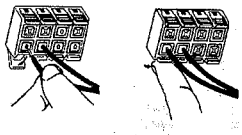
Before Starting

Up to four speakers (two sets) can be connected to the receiver. Connecting four speakers will allow you to use the built-in Surround feature.

Connecting Speakers

Connect speakers to the SPEAKERS terminals on the back of the receiver. Use the wire supplied with the speakers.

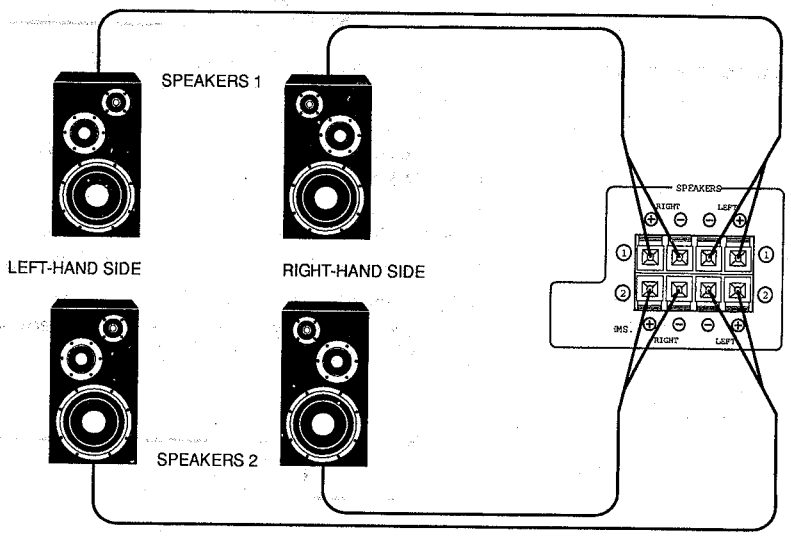
To connect each speaker, follow these steps:



Step 1 Open each terminal on the back of the receiver and insert the end of the speaker wire, as shown.

Step 2 Close the terminals to clamp the speaker wires in place, as shown.

⚠ **CAUTION!** Use speakers with an impedance of 8 ohms.



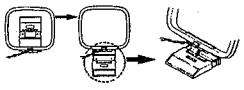
Connecting an AM Antenna

Before Starting

One AM loop antenna is supplied with your receiver.

Basic Connections

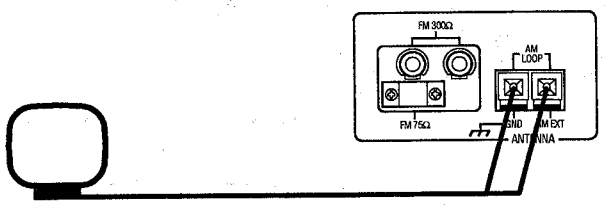
To connect the AM loop antenna to the AM LOOP terminals, follow these steps:



Step 1 Open each terminal and insert one of the two ends of the AM antenna wire.

Step 2 Close the terminals to clamp the antenna wires in place.

Step 3 Stand the AM loop antenna on its own base, as shown. Set it on any flat surface.



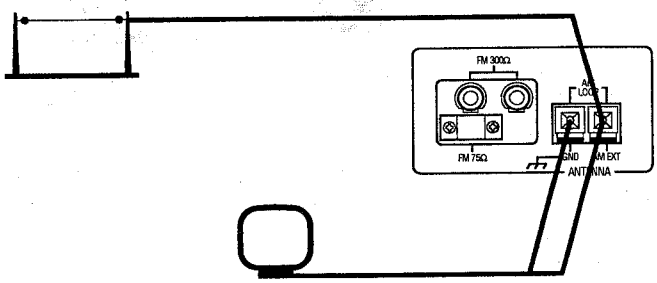
AM Outdoor Antenna

If your AM broadcast reception is unsatisfactory, you should connect an AM outdoor antenna in addition to the loop antenna. The antenna wire should be 16 to 40 feet (5 to 13 meters) long.

Connect one end of the outdoor single vinyl-covered antenna wire to the AM LOOP terminal marked AM EXT.

IMPORTANT! *The AM loop antenna must be installed to receive AM broadcasts. Do not disconnect the loop antenna when installing an outdoor antenna.*

IMPORTANT! *Except for the connection, make sure no uninsulated antenna wire touches the rear panel of the receiver. Otherwise, the receiver might not pick up AM broadcasts.*



Connecting an FM Antenna

Before Starting

A temporary FM antenna and cable is supplied with your receiver. If reception with this antenna is not satisfactory, you may consider purchasing a 300-ohm feeder-cable antenna or a 75-ohm coaxial-cable antenna:

⚠ **CAUTION!** Before connecting the new FM antenna, disconnect any other FM antenna.

Connecting the Temporary FM Antenna

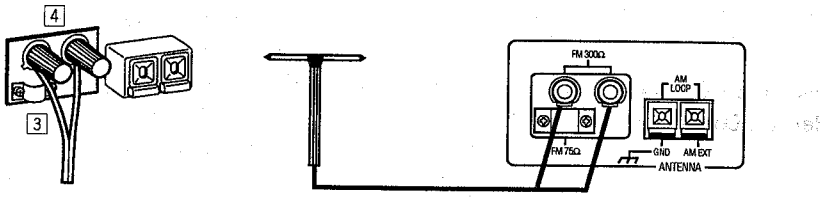
To connect the supplied antenna, follow these steps:

Step 1 Loosen the cap on the 300/75-ohm terminal on the back of the receiver.

Step 2 Loosen the cap on the 300-ohm terminal on the back of the receiver.

Step 3 Connect the antenna by inserting one wire behind each cap.

Step 4 Tighten the caps on both terminals.



Connecting a 300-Ohm FM Antenna

To connect a 300-ohm feeder-cable antenna, use the same steps as for the temporary FM antenna.

Connecting a 75-Ohm FM Antenna

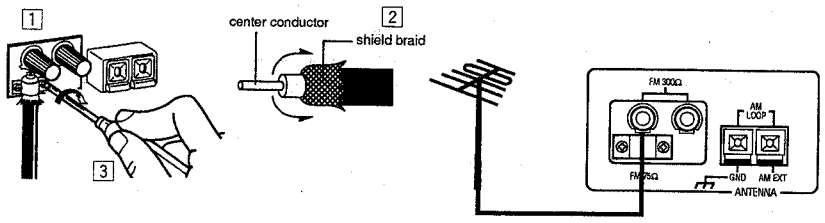
To connect a 75-ohm coaxial-cable antenna, follow these steps.

Step 1 Unscrew the cap and bracket screw on the 300/75-ohm terminal. Insert the round antenna cable from below.

Step 2 Make sure the shield braid on the cable contacts the bracket, and the center conductor of the cable contacts the 300/75-ohm terminal.

Step 3 Tighten the bracket screws and the cap on the 300/75-ohm terminal.

IMPORTANT! *Make sure the antenna conductors do not touch any other terminals on the receiver. This could cause poor reception.*



Connecting the Power

Connecting the Power Supply

After checking all connections, insert the power cord plug into an outlet.

When the power supply is connected correctly, the POWER STANDBY indicator lights on the front of the receiver. A small amount of power (5 watts) is consumed under these conditions, even if the receiver is turned off. To shut off the power completely, unplug the power cord from the outlet.

⚠ **CAUTION!**

- Do not handle the power cord with wet hands.
- Do not pull on the power cord to unplug the receiver. Always grasp the plug directly so as not to damage the cord.
- Do not plug the power cord into a socket until all components are connected correctly.

IMPORTANT! *If the power cord is disconnected or a power failure occurs, the receiver settings in memory are retained for 2 or 3 days.*

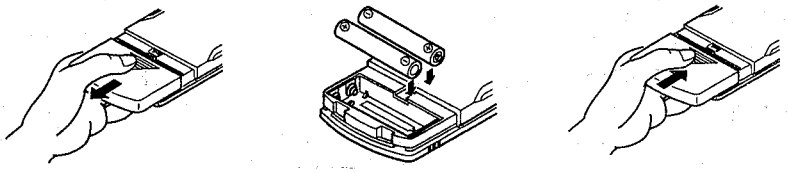
Inserting Batteries into the Remote Control

The remote control requires two batteries (supplied). To insert batteries, follow these steps:

Step 1 On the back side of the remote control, press down on the battery cover and slide it out.

Step 2 Insert batteries. Make sure to observe the proper polarity: (+) to (+) and (-) to (-).

Step 3 Slide the cover in.



Replacing Batteries

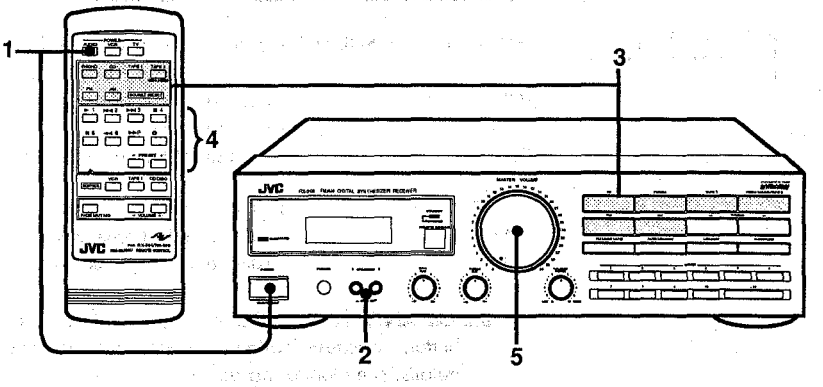
If the range or effectiveness of the remote control decreases, replace the batteries. Use two (2) AAA (24F) dry-cell batteries of the R03/UM-4 type.

⚠ **CAUTION!** Follow these precautions to avoid leaking or cracking cells:

- Place batteries in the remote control so they match the polarity indicated (+) to (+) and (-) to (-).
- Use the correct type of batteries. Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

Operation Outline

Basic Operation Reference



[1] Turn on the power

Push the POWER switch to turn on the receiver. The display lights:

NOTE: Pushing the POWER switch again turns off the power and lights the STANDBY light.

[2] Select speakers (page 16)

Use the SPEAKERS switch to choose between the two sets of speakers. To use your headphones, insert the headphone plug into the PHONES jack on the receiver.

[3] Choose an audio source (page 12)

To choose an audio source, press one of the SOURCE selector buttons on the receiver or select one of the components on the remote control.

[4] Operate the audio source (pages 18-20)

Refer to the manual provided with each component. If your JVC components are connected to the COMPU LINK jack of the receiver, you can operate them using the remote control.

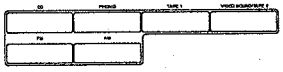
[5] Adjust volume and tone (pages 16-17)

Rotate the MASTER VOLUME control on the receiver or press the VOLUME button on the remote control to adjust volume. See page 16 for other ways to change the volume or tone.

Selecting the Audio Source

The receiver can receive input from compact discs, cassette tapes, turntables, or any audio source that you connect. You can select a source for either listening or recording.

Listening

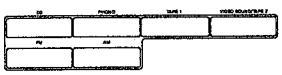


Press one of the SOURCE buttons on the receiver or the remote control.

CD	Listen to the CD player.
PHONO	Listen to a record.
TAPE 1	Listen to the tape deck connected to the TAPE 1 jacks.
VIDEO SOUND/ TAPE 2	Listen to the tape deck connected to the TAPE 2 jacks.
FM	Listen to an FM broadcast.
AM	Listen to an AM broadcast.

IMPORTANT! *The TAPE 2 button has a different function from other source selector buttons, because it allows you to monitor the quality of the recording. For more details, see Monitoring below.*

Recording



The source being played is automatically selected as the source to be recorded. While recording, you can listen to the selected source at any desired volume and tone settings.

NOTE: Volume and Tone adjustments do not affect recording.

IMPORTANT! *When recording from TAPE 2 to TAPE 1, press the VIDEO SOUND/ TAPE 2 button and another button other than TAPE 1.*

Monitoring

Using the Monitor feature, you can compare the sound quality of the source to the sound quality of the recording being made.

To use the Monitor feature while recording onto a cassette deck connected to the TAPE 2 jacks, follow these steps:

Step 1 Press the TAPE 2 button.

The "TAPE 2 MONITOR" light appears and you can listen to the sound of the cassette deck connected to the TAPE 2 jacks. You are now hearing the quality of the recording, not the quality of the source.

Step 2 Press the TAPE 2 button again.

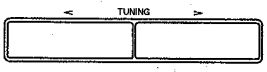
This turns off the "TAPE 2 MONITOR" light, and the speakers play the previously selected source.

NOTE: If the cassette deck has three heads, you can hear the sound of the recording at the same time as it records on the tape.

Receiving an AM/FM Broadcast

To receive an AM/FM broadcast, select either AM or FM using the AM/FM button. Then tune to the precise frequency using the TUNING buttons.

Tuning



Tune to the frequency of a desired station using the TUNING buttons. Pressing the right button increases the frequency, and pressing the left button decreases the frequency. Tapping the TUNING button once changes the frequency in steps of 10 kHz for AM and 0.1 MHz for FM.

There are two tuning modes: Manual and Automatic.

Manual Tuning

If you know the frequency of a desired station, hold down the TUNING button to start the frequency changing quickly. Release the TUNING button near the desired station and tap it repeatedly until you arrive at the correct frequency.

Automatic Tuning

If you want to scan frequencies for a desired station, hold down the TUNING button to start the frequency changing quickly. When you release the TUNING button, the frequency continues to change until it reaches a station.

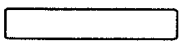
When a station is correctly tuned, the "TUNED" light appears on the display window.

Once a tuned frequency is preset, it can be directly recalled using the TUNER buttons. For details, see page 14.

NOTE: When you use automatic tuning, weak stations are ignored. To pick up weak stations, use manual tuning.

IMPORTANT! *If the receiver is tuned to a station but the "TUNED" light does not appear, try adjusting the antenna for better reception.*

Selecting an FM Reception Mode



Pressing the FM MODE-MUTE switch switches between these modes.

The "MUTE-AUTO" light appears on the display window. You hear either stereo sound or monaural sound, depending on the broadcast. If it is a stereo broadcast, the "STEREO" light appears. This mode is also useful for suppressing static "noise" between stations.

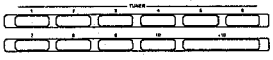
The "MUTE-AUTO" light disappears. You hear monaural sound even if a broadcast is in stereo. This mode is also useful when a stereo broadcast is noisy because of a weak signal.

NOTE: Using the Automatic Tuning mode, the sound of a broadcast with a weak signal may be muted. In this case, select the monaural mode.

Presetting Tuned Frequencies

You can preset up to 40 radio stations by assigning channel numbers (1 through 40) to them. Once a station is preset, you can listen to it by entering the preset number using the TUNER buttons on the receiver, or the PRESET buttons of the remote. There are two ways to preset: manual or automatic.

Assigning Channel Numbers



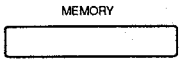
To choose numbers from 1 through 10, press the appropriate TUNER buttons. To choose numbers from 11 through 40, press the +10 key and one other button. For example:

To choose 17	Press +10, then 7.
To choose 20	Press +10, then 10.
To choose 25	Press +10 twice, then 5.
To choose 40	Press +10 three times, then 10.

Your channel number will appear as shown at the left.

NOTE: You can also tune using the remote control. First press the AM or FM button on the remote, then enter the channel number using the PRESET buttons (+ and -) on the remote. Press + to raise the selected number, and press - to lower the selected number.

Manual Presetting



To use manual presetting to assign channel numbers to your favorite stations, follow these steps:

Step 1 Tune to a station. If necessary, follow the procedure on page 14.

Step 2 Press the MEMORY button.

The "MEMORY" light appears in the display window.

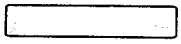
Step 3 Using the TUNER buttons, enter a number (1 through 40). This number is the channel number you are assigning to the station.

IMPORTANT! *You must enter the channel number while the "MEMORY" light is on. You have about 5 seconds to do this. If the light disappears before you enter the channel number, press the MEMORY button again.*

Step 4 When the MEMORY light disappears and the channel number is displayed, presetting is completed.

Automatic Presetting

AUTO MEMORY



To use automatic presetting to preset up to 40 stations automatically, follow these steps:

Step 1 Press the SOURCE selector button to select AM or FM.

Step 2 Using the TUNING buttons, move to the lowest frequency on the dial.

Step 3 Press the AUTO MEMORY button.

The "MEMORY" light flashes in the display window.

Step 4 Using the TUNER buttons, enter a channel number (1 through 40) to the first tuned station. From that point, scanning starts and stations are assigned channel numbers in ascending order.

IMPORTANT! *You must enter the channel number while the "MEMORY" light flashes. If this light disappears before you enter the channel number, press the AUTO MEMORY button again.*

Excluding a Station From Automatic Presetting

Frequencies are scanned in ascending order. When a station is tuned in, scanning stops and the "TUNED" light appears. The station is preset about 4 seconds later and the "MEMORY" light flashes again. If you do not want to preset this station, press the AUTO MEMORY button within 4 seconds. Scanning restarts without presetting that station.

When the "MEMORY" light flashes again, scanning continues until one of the following occurs:

- Another station is tuned in
- The upper limit of the tuning range is reached
- All 40 channel numbers have been assigned

When Auto Presetting is completed, the last preset station is received.

NOTE: To stop scanning at any time, press either TUNING button once.

Adjusting the Volume and Tone

Adjusting the Volume

Using the MASTER VOLUME Control

Use the MASTER VOLUME control to adjust the volume from the left and right speakers. Rotating the dial to the right increases the volume. The volume from the speakers and the headphones increases simultaneously.

NOTE: Volume can also be adjusted using the remote control. Press the VOLUME button marked + to increase the volume, or the VOLUME button marked - to decrease the volume.

⚠ **CAUTION:** Listening to extremely loud sound may damage your hearing. Be especially careful when using headphones.

Muting the Sound

Press the FADE MUTING button on the remote control to decrease the volume quickly when you receive a phone call or a visitor.

***IMPORTANT!** If you are listening at very high volume, you may need to press FADE MUTING a second or third time to reduce volume completely.*

Selecting the Speakers

Pushing in SPEAKER button 1 or 2 activates that pair of speakers. Pressing either button again deactivates that pair of speakers. When the button is in, that pair is activated. You can listen to both pairs, pair 1, pair 2, or neither pair.

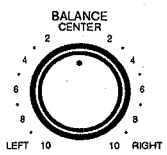
***IMPORTANT!** If only one set of speakers is connected, pressing "in" both speaker buttons will produce no sound.*

Listening to Headphones

Insert the headphone plug into the PHONES jack. To limit sound to the headphones (no sound from the speakers), press SPEAKER buttons 1 and 2 to deactivate all speakers.

⚠ **CAUTION:** To avoid hearing damage, turn the volume down before plugging in the headphones, then gradually increase the volume.

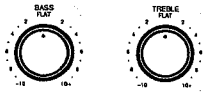
Adjusting the Left-Right Balance



Use the BALANCE control to adjust the balance between the left and right channels. Rotating the dial to the right increases the right-channel volume, and rotating it to the left increases the left-channel volume. The BALANCE control affects both sets of speakers and the headphones.

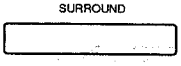
Adjusting the Tone

Adjusting Bass and Treble



Use the BASS control to adjust low pitches and the TREBLE control to adjust high pitches. Turn either control to the right for intensified pitch. Set both controls at the FLAT position for normal listening.

Enjoying the Surround Sound Effect



When you are using four speakers, you can put them in different corners of the room and use the Surround feature. Press the SURROUND button to create this movie-theater effect. The SURROUND indicator lights on the display window. Press the SURROUND button again to deactivate the surround feature. The SURROUND indicator turns off.

IMPORTANT! *The Surround feature has no effect on monaural (non-stereo) sources.*

NOTE: Two set of speakers are recommended to produce an ideal surround effect, but you can use the feature with only one set of speakers connected.

Operating Audio Components

COMPU LINK Remote Control System

COMPU LINK Remote Control System

The COMPU LINK remote control system lets you operate the receiver and JVC components from the remote supplied with this receiver. Control signals for JVC audio components are preset in the receiver's remote control.

Connecting the COMPU LINK SYNCHRO-3 jacks on the back of the receiver will allow you to use the four functions below.

Remote Control

You can control all components via the REMOTE SENSOR on the receiver using the receiver's remote control. For details, see page 19.

***IMPORTANT!** Point the remote control directly at the REMOTE SENSOR on the receiver.*

Automatic Source Selection

When you *press play* on a component or the remote, the component begins playing immediately. On the other hand, if you select a *new source* on the receiver or the remote, the component begins playing immediately, but the previously selected source continues playing without sound for a few seconds.

Synchronized Recording

Synchronized recording means the tape deck starts recording as soon as a CD or record begins playing.

To use synchronized recording, follow these steps:

Step 1 Put a tape in the deck, and a disc in the CD player or on the turntable.

Step 2 Press the REC and PAUSE button on the tape deck at the same time. This puts the tape deck in the REC/PAUSE state.

***IMPORTANT!** If you do not press the REC button and PAUSE button together, the synchronized recording feature will not operate.*

Step 3 Press the PLAY button on the CD player or turntable.

As soon as the disc starts playing, the tape deck starts recording. When the disc ends, the tape deck switches back to the REC/PAUSE mode, and stops 4 seconds later.

NOTES:

- *During synchronized recording, the CD or PHONO button is activated. Other SOURCE buttons are disabled to prevent recording failure.*
- *If your CD player is operated in the PROGRAM mode, a 4-second mute is recorded between tracks to enable the music scan feature of your tape deck to work.*
- *If the power of any component is shut off during synchronized recording, the system will not operate properly. In this case, you must start again with step 1.*

Automatic Power ON/OFF

The CD player and cassette deck are turned on and off along with the receiver.

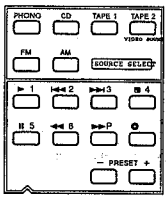
NOTE: This function has been added to COMPU LINK-3 (Enhanced COMPU LINK), an upgraded version of COMPU LINK-1. Refer to your JVC component manual for details.

Using the Remote Control

By connecting the COMPU LINK jack to this receiver, you can operate the audio stereo component with this receiver's remote control. In addition, if your VCR is a JVC product, you can operate it with this receiver's remote control.

NOTE: The VCR does not work with the COMPU LINK remote control system. When you operate the VCR, you must aim the remote control at the VCR instead of the receiver.

Operating the Component Already Selected



Select a source with the SOURCE SELECT buttons on the remote control. Operate that source using the buttons just below the SOURCE SELECT buttons.

***IMPORTANT!** If you choose a source on the receiver directly, the remote control will not operate that source. To operate a source with the remote control, the source must be selected using the remote control.*

***IMPORTANT!** Pressing the TAPE 2 button does not change the operation mode of the remote control. When you want to operate the cassette deck, press the TAPE 1 button first.*

Turntable

After pressing the PHONO button, you can perform the following operations on the remote:

►	Starts playing
■	Stops playing

CD Player

After pressing the CD button, you can perform the following operations on the remote:

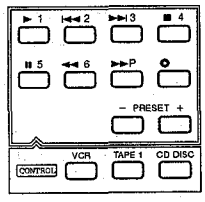
►	Starts playing
⏮	Skips to the beginning of the previous track
⏭	Skips to the beginning of the next track
■	Stops playing
II	Stops playing temporarily. To release it, press ►
◄◄	Moves backward quickly during play
►►	Moves forward quickly during play

Cassette Deck

After pressing the TAPE 1 button, you can perform the following operations on the remote:

►	Starts playback
⏮	Skips to the beginning of the previous tune
⏭	Skips to the beginning of the next tune
■	Stops operation
II	Stops playback or recording temporarily. To release it, press ►
◄◄	Fast wind the tape from right to left
►►	Fast wind the tape from left to right
o	Press together with ► to start recording Press together with II to enter record-standby mode

Operating the Component Not Currently Selected



When you want to operate one component while listening to another component (e.g., recording from a CD), use the buttons in the CONTROL section of the remote control. The CONTROL buttons allow you to use the operation buttons for the new component without affecting the component already playing.

VCR

After pressing VCR (in the CONTROL section of the remote control), you can perform the following operations on the remote:

►	Starts playback
I◄◄	Skips to the beginning of the previous tune
►►I	Skips to the beginning of the next tune
■	Stops operation
II	Stops playback temporarily or freezes the picture. To release it, press ►
◄◄	Rewinds video tape
►►	Fast winds video tape
o	Press together with ► to start recording Press together with II to enter record-standby mode

IMPORTANT! *Aim the remote control at the VCR, not at the receiver.*

NOTE: *You can also turn the VCR and TV on and off by pressing the VCR or TV button in the POWER section of the remote control.*

Cassette Deck

Pressing TAPE 1 in the CONTROL section of the remote allows you to perform the same functions as pressing TAPE 1 in the SOURCE SELECT section of the remote.

CD Player-Changer

After pressing the CD DISC button in the CONTROL section of the remote, you can perform the following operations on the remote:

1-6, P Select the number of the disk installed in the CD player-changer

Troubleshooting

Use this chart to help you solve everyday operational problems. If there is any problem you cannot solve, contact your JVC service center.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Display window does not light up	Power cord not plugged in	Plug power cord into AC socket
No sound from speakers	Speaker wires not connected	Check speaker wiring and reconnect if necessary
	SPEAKERS buttons not set correctly	Push the SPEAKERSbuttons in or out as desired
	Incorrect SOURCE button was pressed	Select the correct audio source
Sound from one speaker only	Speaker wires not connected properly	Check speaker wiring and reconnect if necessary
	Balance control is set to one extreme	Adjust BALANCE control so that both speakers have sound
Continuous hiss or buzzing during FM reception	Incoming signal is too weak	Adjust antenna
	Station is too far away	Select a new station
	Incorrect antenna used	Check with your dealer to be sure you have the correct antenna
	Antenna not connected properly	Check connections
Occasional cracking noise during FM reception	Ignition noise from automobiles	Move the antenna farther from automobile traffic
Howling during record playing	Turntable too close to speaker	Move speakers away from turntable
Remote control does not work	There is an obstruction in front of the REMOTE SENSOR on the receiver	Remove the obstruction
	Batteries are weak	Replace batteries

Specifications

Receiver

Output Power	**100 watts per channel, min. RMS, both channels driven into 8 ohms from 40 Hz to 20 kHz, with no more than 0.08 % total harmonic distortion.**
Total Harmonic Distortion (8 ohms, 1 kHz)	0.08 %* at 90 watts output
Intermodulation Distortion	0.08 % at 90 watts output
Frequency Response (8 ohms)	
PHONO	20 Hz to 20 kHz (±1 dB)
CD / TAPE 1 / TAPE 2	20 Hz to 20 kHz (±1 dB)
Signal-to-Noise Ratio ('66 IHF / '78 IHF)	
PHONO	70 dB / 78 dB (REC OUT)
CD / TAPE 1 / TAPE 2	91 dB/ 80 dB
RIAA Phono Equalization	±1 dB (20 Hz to 20 kHz)
Input Sensitivity / Impedance (1 kHz)	
PHONO	2.5 mV / 47 k ohms
CD / TAPE 1 / TAPE 2	200 mV / 47 k ohms
Output Level	
TAPE 1 / TAPE 2	200 mV
Tone Control Range	BASS (at 100 Hz) ±8 dB TREBLE (at 10 kHz) ±8 dB

FM Tuner (IHF)

Tuning Range	87.5 MHz to 108.0 MHz
Usable Sensitivity	10.8 dBf (0.95 µV / 75 ohms)
50 dB Quieting Sensitivity	
Monaural	16.3 dBf (1.8 µV / 75 ohms)
Stereo	38.3 dBf (22.5 µV / 75 ohms)
Signal-to-Noise Ratio (IHF-A weighted)	
Monaural	80 dB at 85 dBf
Stereo	73 dB at 85 dBf
Total Harmonic Distortion	
Monaural	0.15 % at 1 kHz
Stereo	0.2 % at 1 kHz
Stereo Separation at REC OUT	40 dB at 1 kHz

Capture Ratio	1.5 dB (10 mV / 300 ohms)
Alternate Channel Selectivity	60 dB: (±400 kHz)
Frequency Responce	30 Hz to 15 kHz: (+0.5 dB, –3 dB)

AM Tuner

Tuning Range	530 kHz to 1,710 kHz
Usable Sensitivity	
Loop antenna	300 μV/m at 1,000 kHz
External antenna	30μV at 1,000 kHz
Signal-to-Noise Ratio	50 dB (100mV / m, at 1,000 kHz)
Selectivity	25 dB (±10 kHz)

General

Power Requirements	AC 120V∿, 60 Hz
Power Consumption	220 watts, 310 VA
Dimensions (W x H x D)	17-3/16 x 5 x 13-7/16 inches 435 x 126 x 341 mm
Weight	17.7 lbs (8.0 kg)

*Measured by JVC Audio Analysis System.

Designs and specifications subject to change without notice.

For Universal

AMPLIFIER SECTION

Output power	70watts per channel, min. RMS,both channels driven into 8 ohms at 1kHz with no more than 0.9% total harmonic distortion (IEC268-3/DIN) 2×70W, 8 ohms,40Hz to 20kHz with 0.08% total harmonic distortion
Total harmonic distortion (1kHz, 8 ohms)	0.08%* at 70watt output
Intermodulation distortion	0.08% at 70watt output, 8 ohms

For Europe,UK,Australia

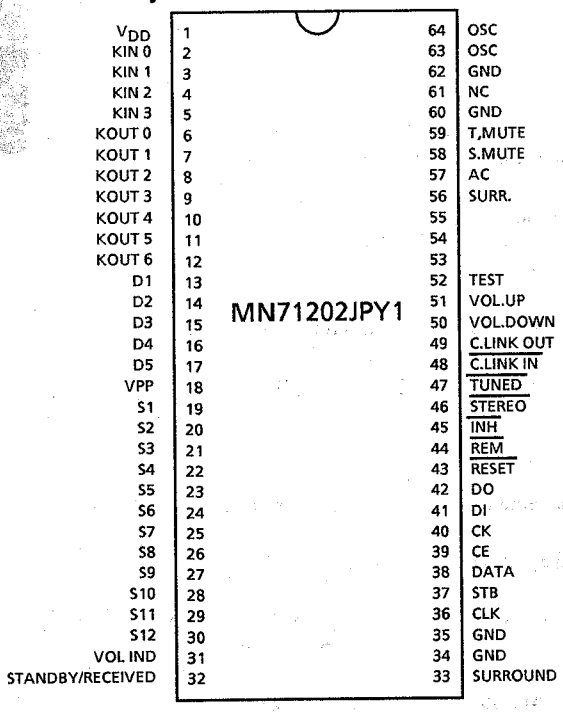
AMPLIFIER SECTION

Output power	70watts per channel,min.RMS,both channels driven into 4 ohms at 1kHz with no more than 0.9% total harmonic distortion(IEC268-3/DIN). 50watts per channel.min.RMS,both channels driven into 8 ohms at 1kHz with no more than 0.9% total harmonic distortion(IEC268-3/DIN) 2×45W, 8 ohms,40Hz to 20kHz with 0.08% total harmonic distortion
Total harmonic distortion (1kHz, 8 ohms)	0.08%* at 45watt output
Intermodulation distortion	0.08% at 45watt output, 8 ohms

Descerіption of Major ICs

■ MN71202JPY1(IC401) : System Controller

1. Terminal Layout



2. Key matrix

	KEY IN 0 (pin2)	KEY IN 1 (pin3)	KEY IN 2 (pin4)	KEY IN 3 (pin5)
KEY OUT 0 (pin6)	TAPE 1	TAPE2 MONITOR	F.UP	F.DOWN
KEY OUT 1 (pin7)	MEMORY	SURROUND	4	5
KEY OUT 2 (pin8)	6	10	+10	—
KEY OUT 3 (pin9)	CD	PHONO	FM	AM
KEY OUT 4 (pin10)	FM MODE	AUTO MEMORY	1	2
KEY OUT 5 (pin11)	3	7	8	9
KEY OUT 6 (pin12)	POWER	—	—	—

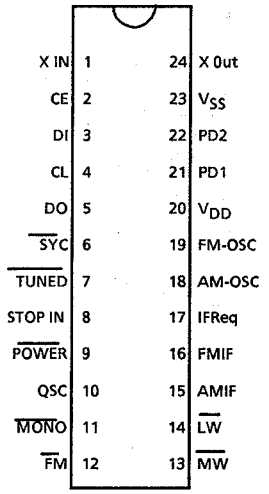
3. Pin Function Description

Pin NO.	symbol	I/O	Function and Operations	Pin NO.	symbol	I/O	Function and Operations
1	VDD	--	Power supply	33	SURROUND	O	Surround indication output
2	KIN 0	I	Key matrix input	34	GND	--	Connected to GND
3	KIN 1	I	Key matrix input	35	GND	--	Connected to GND
4	KIN 2	I	Key matrix input	36	CLK	O	Clock to the source selector(IC321)
5	KIN 3	I	Key matrix input	37	STB	O	Strobe signal for DATA
6	KOUT 0	O	Key matrix output	38	DATA	O	Selector control data output
7	KOUT 1	O	Key matrix output	39	CE	O	Chip select signal
8	KOUT 2	O	Key matrix output	40	CK	O	Clock to transmit data for PLL Synthesizer
9	KOUT 3	O	Key matrix output	41	DI	I	Data from PLL synthesizer
10	KOUT 4	O	Key matrix output	42	DO	O	Data to PLL synthesizer
11	KOUT 5	O	Key matrix output	43	RESET	I	Reset signal input
12	KOUT 6	O	Key matrix output	44	REM	I	Remote signal input
13	D1	O	FL grid control output	45	INH	I	Inhibit input
14	D2	O	FL grid control output	46	STEREO	I	Detect the signal for 'STEREO' indication
15	D3	O	FL grid control output	47	TUNED	I	Detect the signal for 'TUNED' indication
16	D4	O	FL grid control output	48	C.LINK IN	I	DSC signal input
17	D5	O	FL grid control output	49	C.LINK OUT	O	DCS signal output
18	VPP	--	Power supply for FL display	50	VOL.DOWN	O	Volume control signal
19	S1	O	FL segment output	51	VOL.UP	O	Volume control signal
20	S2	O	FL segment output	52	TEST	--	For TEST
21	S3	O	FL segment output	53	—	---	Not used
22	S4	O	FL segment output	54	—	--	Not used
23	S5	O	FL segment output	55	—	--	Not used
24	S6	O	FL segment output	56	SURR.	O	Surround control signal
25	S7	O	FL segment output	57	AC	O	Power primary control signal
26	S8	O	FL segment output	58	S.MUTE	O	Source mute control signal
27	S9	O	FL segment output	59	T.MUTE	O	Tuner muting signal
28	S10	O	FL segment output	60	GND	--	Connected to GND
29	S11	O	FL segment output	61	NC	--	Non connection
30	S12	O	FL segment output	62	GND	--	GND
31	VOL.IND	O	Volume indication signal output	63	OSC	--	Oscillation terminal
32	STA./RECEI.	O	STANDBY/RECEIVED indication output	64	OSC	--	Oscillation terminal

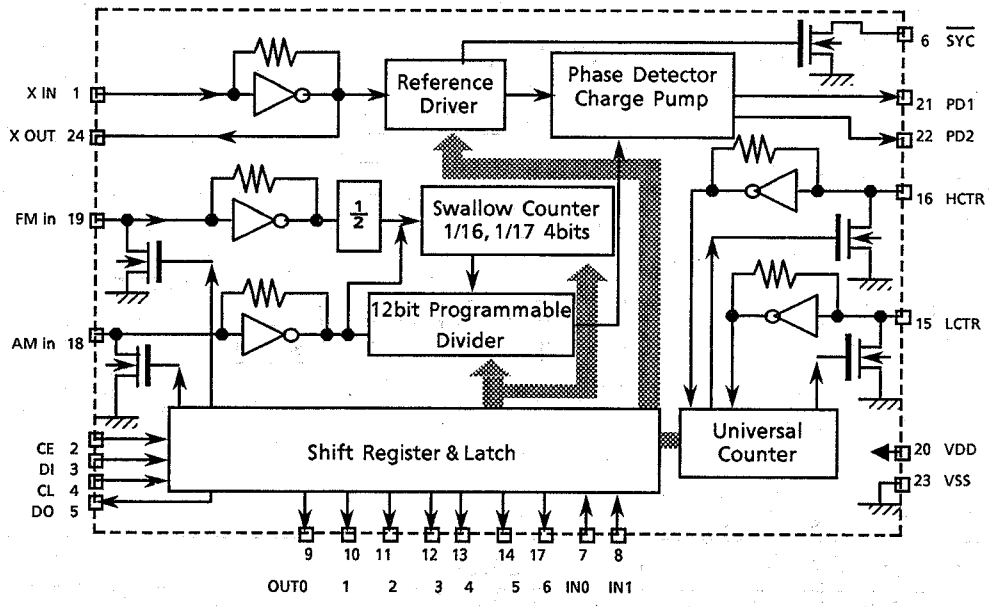
■ LC7218 (IC102) : PLL Synthesizer

1. The main function descriptions
   (1) It makes the local oscillation frequency by the control data from IC401.
   (2) Decode the control signal and transmit the signal for receiving conditions.
   (3) For the best tuning, count the internal-frequency and transmit the data to IC401.

2. Terminal Layout



3. Block Diagram



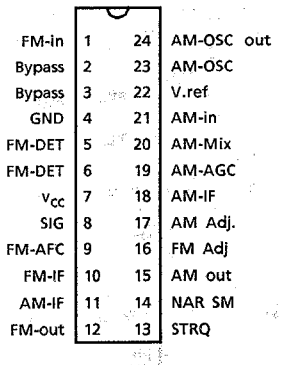
4. Pin Function Description

Pin No.	Symbol	I/O	Functions and Operations
1,24	X in , X out	I/O	Crystal oscillator (7.2MHz).
2	CE	I	Fix the chip enable to "H" when inputting (DI) and outputting (DO) the serial data.
3	DI	I	Receive the control data from the controller (IC401).
4	CL	I	This clock is used to synchronize data when transmitting the data of DI and DO.
5	DO	O	Transmit the data from LC7218 to the controller which is synchronized with CL.
6	$\overline{SYC}$	—	Not used.
7	Tuned	I	Receive the tuned signal from IC104 (LA1266A).
8	Stop in	I	Not used.
9	POWER	O	Not used.
10	QSC	O	ON mode with " H " and OFF mode with " L ".
11	MONO	O	It is "H" on FM-monaural, "L" on FM-Stereo.
12	FM	O	It is "L" on FM mode.
13	MW	O	It is "L" on MW mode.
14	LW	—	It is "L" on LW mode.
15	AM-IF	I	Universal counter input for AM-IF from IC104 (LA1266A).
16	FM-IF	I	Universal counter input for FM-IF from IC104(LA1266A).
17	IF REQ	O	Output the "IF-signal request" to IC104 when the pin-7 (tuned in) goes to "H".
18	AM OSC	I	Input the local oscillator signal of AM.
19	FM OSC	I	Input the local oscillator signal of FM.
20	V_{DD}	—	This is a terminal of power supply.
21	PD1	O	PLL charge pump output : When the local oscillator signal frequency is higher than the reference frequency high level signals will output. When it is lower than the reference frequency, low level signals will output. When it is same as reference frequency signals, it will be floating.
22	PD2	O	Not used.
23	Vss	—	Power supply.

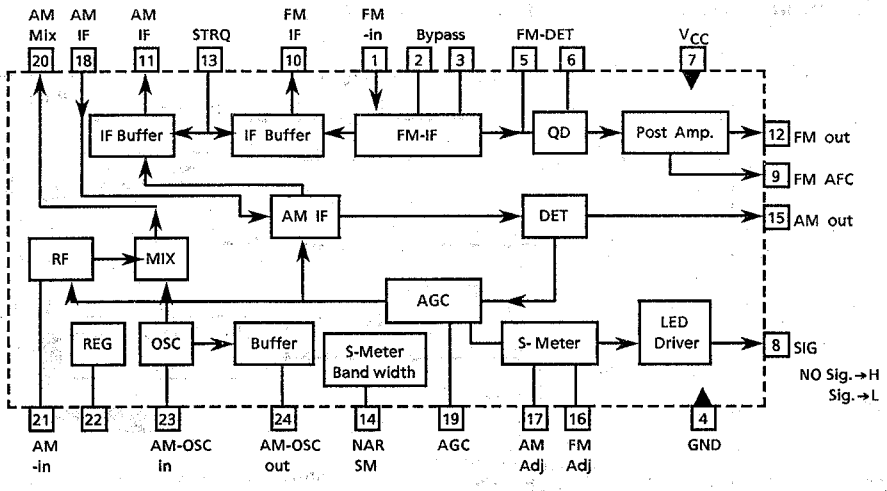
■ LA1266A (IC104) : FM AM IF AMP & detector

1. The main function descriptions
   (1) Amplify and detect of FM intermodulation frequencies.
   (2) It has local oscillator and mixer for AM, and amplify the AM-IF signal.

2. Terminal Layout


FM-in 1 24 AM-OSC out
Bypass 2 23 AM-OSC
Bypass 3 22 V.ref
GND 4 21 AM-in
FM-DET 5 20 AM-Mix
FM-DET 6 19 AM-AGC
Vcc 7 18 AM-IF
SIG 8 17 AM Adj.
FM-AFC 9 16 FM Adj
FM-IF 10 15 AM out
AM-IF 11 14 NAR SM
FM-out 12 13 STRQ

3. Block Diagram



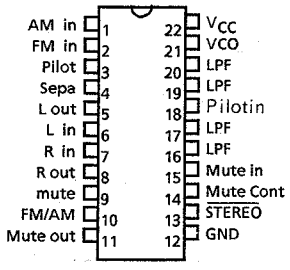
4. Pin Function Description

Pin No.	Symbol	I/O	Functions and Operations
1	FM in	I	This is an input terminal of FM IF Signal.
2,3	Bypass	--	Bypass of FM IF Amp.
4	GND	--	This is the device ground terminal.
5,6	FM DET	--	FM detect transformer.
7	V_{CC}	--	This is the power supply terminal.
8	SIG	O	Whe the set is tunning ,this terminal becomes "L".
9	FM AFC	O	This is an output terminal of voltage for FM - AFC.
10	FM IF	O	When the signal of IF REQ of IC102(LC7218) appear, the signal of FM IF output.
11	AM IF	O	When the signal of IF REQ of IC102(LC7218) appear, the signal of AM IF output.
12	FM out	O	FM detection output.
13	STRQ	I	The IF-signals come out from pin10 (FM-IF) or pin11 (AM-IF) while this terminal going to "High".
14	NAR SM	--	Control the Band-width of signal meter.
15	AM out	O	AM detection output.
16	FM Adj	--	For adjust the stop level (or mute level) of FM.
17	AM Adj	--	For adjust the stop level (or mute level) of AM.
18	AM-IF	I	Input of AM IF Signal.
19	AM-AGC	I	This is an AGC voltage Input terminal for AM.
20	AM-MIX	O	This is an output terminal for AM mixer.
21	AM-IN	I	This is an input terminal for AM RF Signal.
22	V.REF	--	Register value between pin9 and pin22 desides the frequency width of the input signal.
23	AM-OSC	--	This is a terminal of AM Local oscillation circuit.
24	AM-OSC out	O	AM Local Oscillation Signal output.

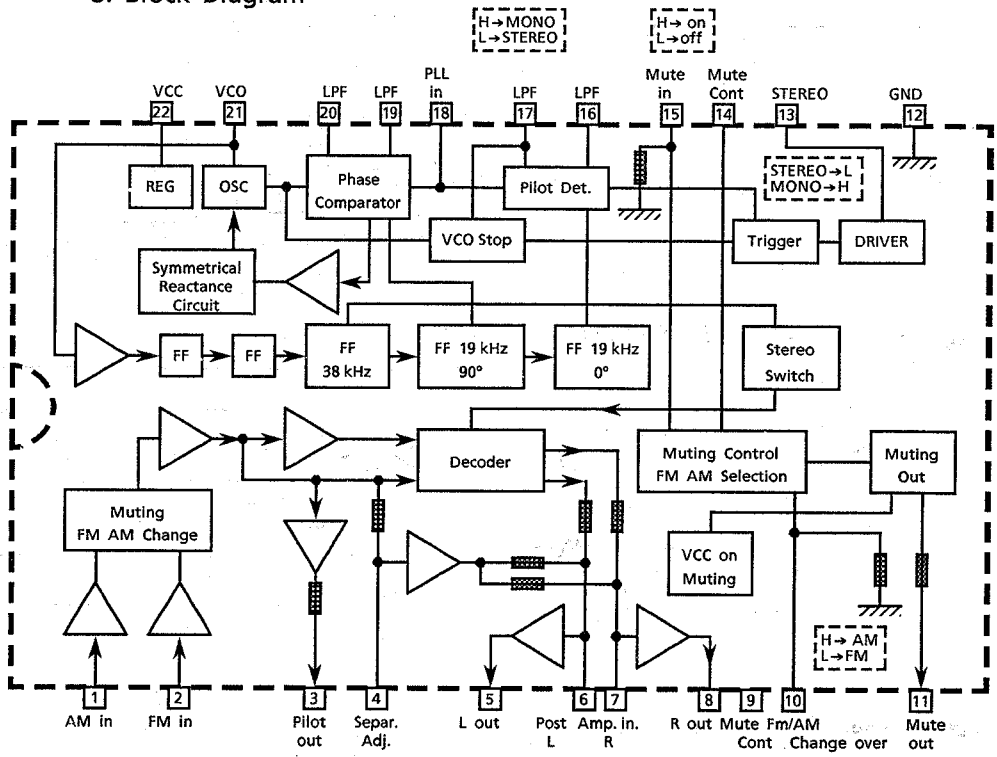
■ LA3401 (IC105) : FM MPX Detector

1. The main function descriptions
   (1) Detect the FM multiplex signal (Stereo signal).
   (2) When receiving FM stereo signal, it outputs the signal for indication.
   (3) AM / FM audio amplifier.

2. Terminal Layout



3. Block Diagram

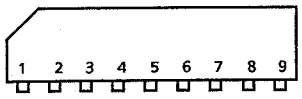


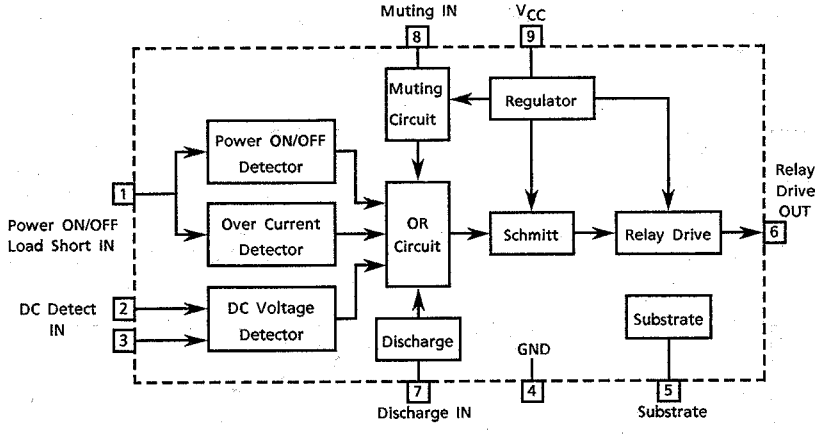
4. Pin Function Description

Pin No.	Symbol	I/O	Functions and Operations
1	AM in	I	This is an input terminal for AM detection signal.
2	FM in	I	This is an input terminal for FM detection signal.
3	Pilot out	O	Output of MPX pilot signal (Connect to Pin18).
4	Sepa. Adj.	--	Separation adjustment.
5	L. out	O	Left channel signal output.
6	L	I	Input terminal of the left channel post-amplifier
7	R	I	Input terminal of the right channel post-amplifier
8	R out	O	Right channel signal output
9	Mute Cont	--	The mute time is controlled by the connected capacitor when turning the power switch on.
10	FM / AM	I	Change over the FM / AM input. "H" : AM, "L" : FM
11	Mute out	---	Not use
12	GND	--	Ground terminal.
13	Stereo	O	Stereo indicator output. Stereo : "L", Mono : "H"
14	Mute Cont	--	The mute time is controlled by the connected capacitor when changing over the FM / AM .
15	Mute in	I	Mute signal input. "H" : Mute on, "L" : Mute off.
16	LPF	--	Low pass filter of pilot detector.
17	LPF	--	While this terminal goes to "H", the VCO stop.
18	Pilot in	I	Pilot signal input
19	LPF	--	Low-pass filter of PLL.
20	LPF	--	Low-pass filter of PLL.
21	VCO	I	Voltage controlled oscillator terminal.
22	V_{CC}	--	Power supply.

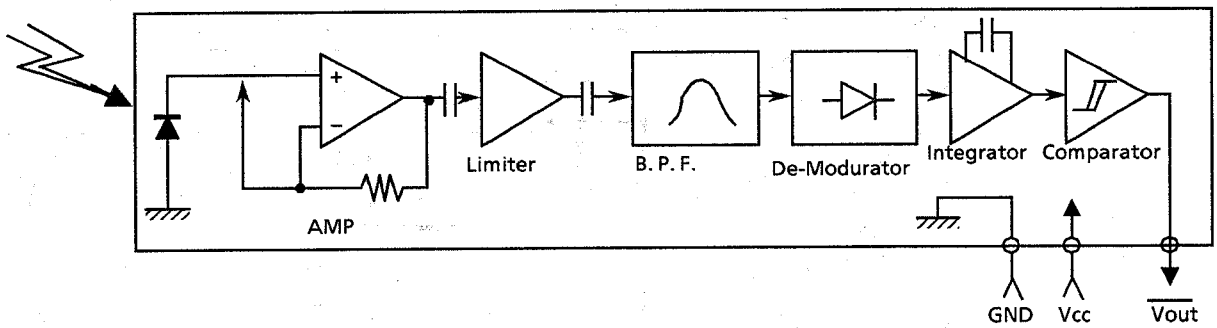
Internal Block Diagram of Other ICs

■ TA7317P (IC901) : Protector



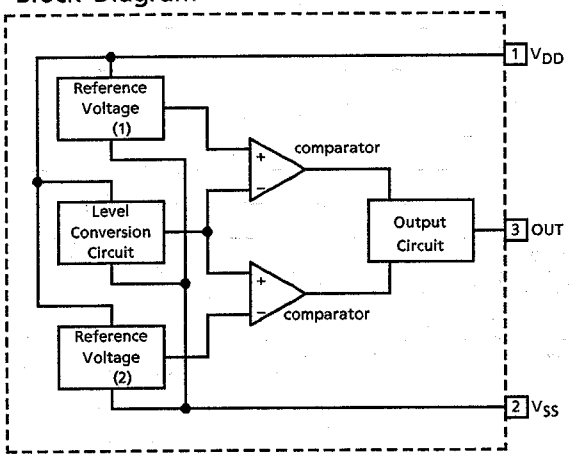


■ NJH32H380A (IC402) : Remocon Module IC



■ MN1280(P.Q) (IC491) : Reset IC

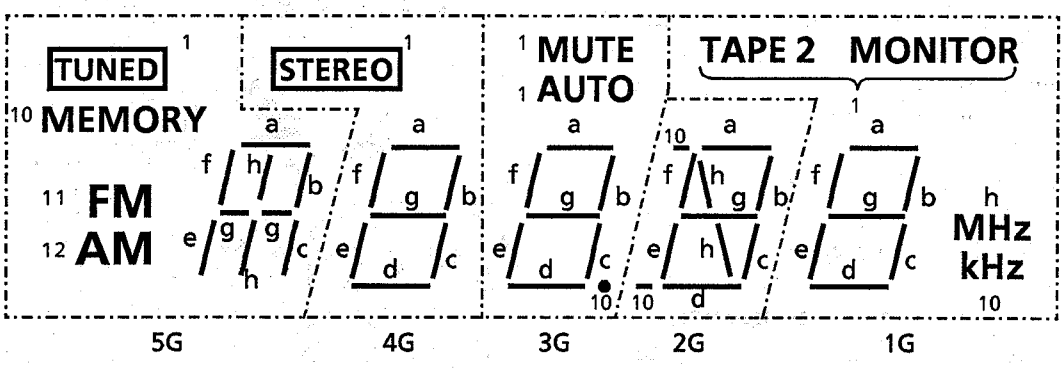
Block Diagram



Pin No.	Pin Name	Functions
1	V_{DD}	Power supply
2	V_{SS}	Ground
3	OUT	Reset signal output : Low level is output when resetting : High level is output when cancelling the reset.

Internal Connections of the FL Display

■ ELU0001-143 : FL401



Pin Connection

PIN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
ELECTRODE	F1	F1	NP	P12	P11	P10	Ph	Pg	Pf	Pe	Pd	Pc	Pb	Pa						
PIN NUMBER							15	16	17	18	19	20	21	22	23	24	25	26	27	28
ELECTRODE							P1	NP	NP	NP	NP	NP	5G	4G	3G	2G	1G	NP	F2	F2

Note F : Filament, G : Grid, P : Element, NP : No Pin, NC : No Connection

Disassembly Procedures

■ Removing the top cover

1. Remove the 4 screws fastening both sides of the top cover, and the 2 screws fastening the rear sides.
2. Remove the top cover.

■ Removing the bottom cover

1. Remove the 17 screws Ⓕ.
2. Remove the bottom cover.

■ Removing the front panel assembly

1. Remove the 6 screws Ⓐ fastening top and bottom of the front panel.
2. Disconnect the connectors P101, P105, P702, P807, P806 and P805.
3. Remove the master volume knob and its connectors.
4. Remove the front panel assembly.

■ Removing the tuner p.c. board

1. Disconnect the connectors P101, P103 and P105.
2. Remove the screws Ⓑ.
3. Remove the screws Ⓒ and Ⓓ surrounded by the broken line (Fig 2).

■ Removing the power transistor

1. Remove the bottom cover.
2. Unsolder the broken transistor.
3. Remove the screw fastening it.
4. Remove it.

■ Removing the rear panel

1. Remove the screws Ⓕ surrounded by the broken line (Fig 3).
2. Remove the screws Ⓒ, Ⓓ and Ⓔ (Fig 2).

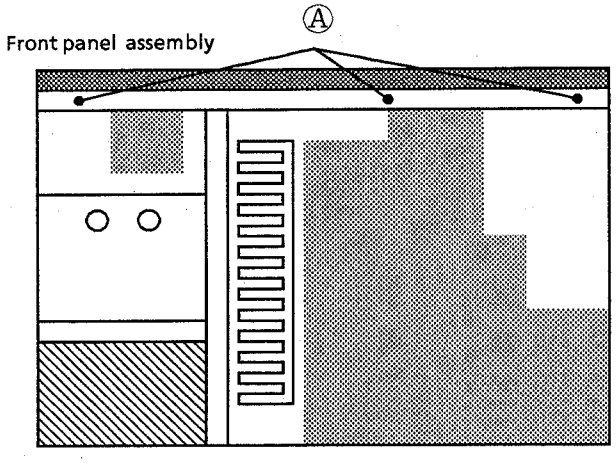


Fig 4. Bottom View

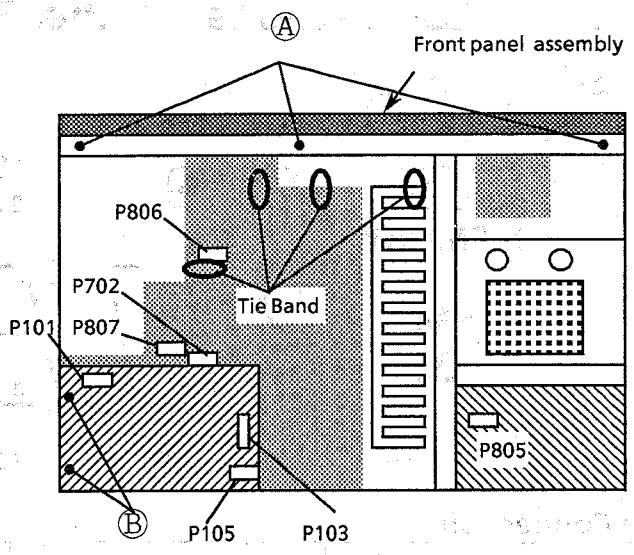


Fig 1. Top View

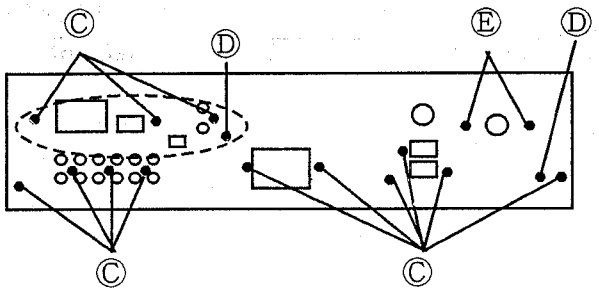


Fig 2. Rear View

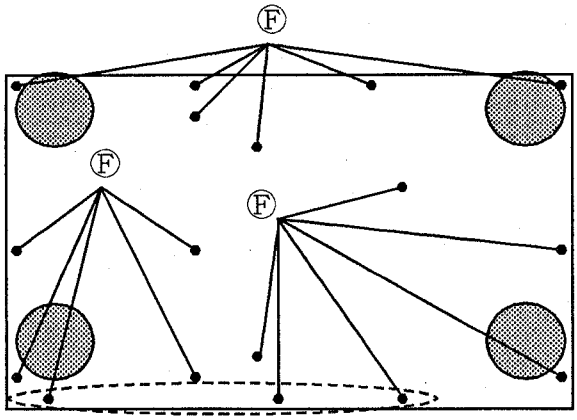
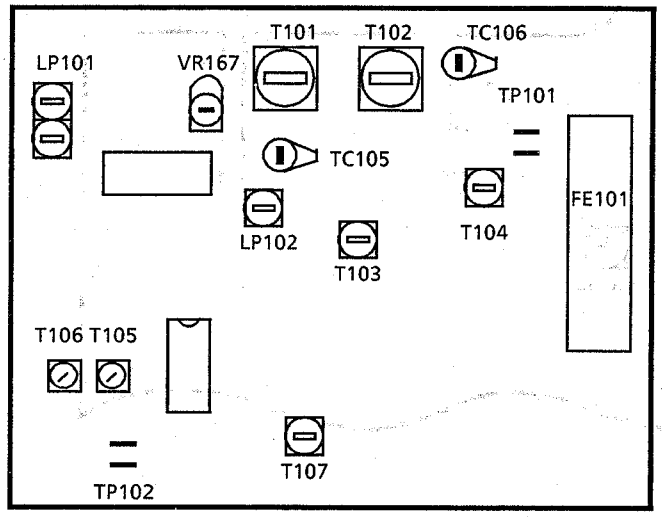


Fig 3. Bottom Cover

FM/AM Tuner Alignment Procedures



FRONT

1. FM section

■ FM oscillator :

(1) Set the frequency display to "108.0MHz".
(2) Confirm the FM inter-station noise is received.
(3) Confirm the voltage of test point "TP101" is 8.0V±2.0V.
(4) Set the frequency display to "87.5MHz" and confirm the voltage of test point "TP101" is 0.6V~2.6V.

■ FM detector coil : T105, T106

(1) Connect a digital voltmeter to test point "TP102", and receive a "100.1MHz" signal with 70dB attenuation of SSG.
(2) Adjust T105 to obtain 0±1.5mV on the digital voltmeter.
(3) At the same time, Adjust T106 to minimize the distortion of the output.

■ FM separation: VR167 (For continental Europe, Germany, Australlia and the U.K.)

(1) Receive a stereo signal.
(2) Adjust VR 167 so that channel separation becomes maximum.

2. MW section

Note: [ ] :U.S.A., Canada
( ) : Australlia,the U.K. and Continental Europe
{ } : Universal Channel space 9kHz
[ ] :Universal Channel space 10kHz

■ MW oscillator : T103

(1) Set the frequency display to [530kHz] (522kHz) {531kHz} [530kHz] and confirm the voltage of test point TP101 is 0.9V±0.2V.
(2) Set the frequency display to [1710kHz] (1629kHz) {1602kHz} [1600kHz] and confirm the voltage of test point TP101 is [8.0±0.8V] (7.5V±0.8V) {7.2V±0.7V} [7.2±0.7V].
(3) If its voltages are out of the allowance, adjust T103 to obtain the voltage.

■ MW antenna coil : T101

(1) Connect a loop antenna to the "AM Loop" terminal on the rear panel.
(2) Adjust T101 to obtain the best receiving sensitivity on 600kHz or 603kHz.

■ MW antenna trimmer : TC105

(1) Adjust TC105 to obtain the best receiving sensitivity on 1400kHz or 1404kHz.

3. LW section

Note:[ ] for Italy

■ LW oscillation :T104

(1) Set the frequency display to 144kHz and adjust T104 so that the voltage of TP101 becomes 0.8±0.4V[0.8V±0.1V].
(2) Set the frequency display to 353kHz [290kHz] and confirm the voltge of test point TP101 becomes 7.7V±0.6V [5.7V±0.5].

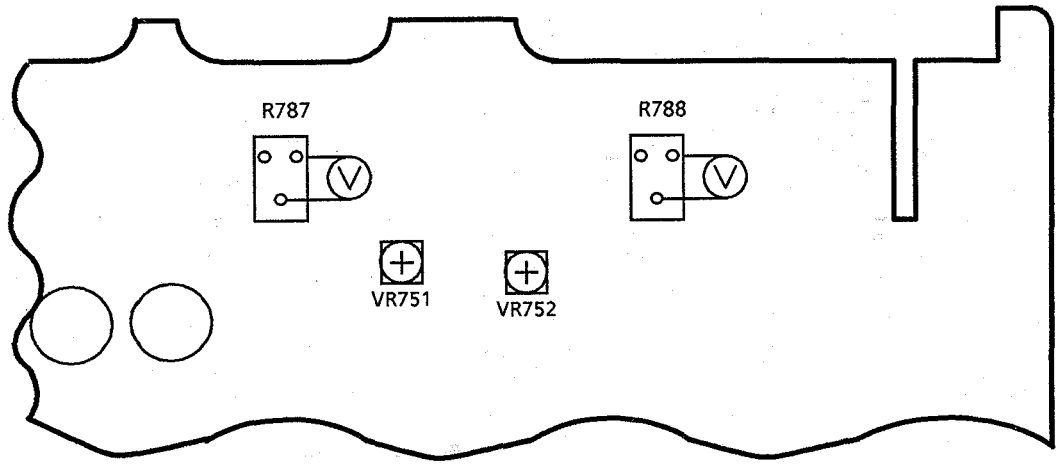
■ LW antenna coil : T102

(1) Connect a loop antenna to the "AM Loop" terminal on the rear panel.
(2) Adjust T102 to obtain the best receiving sensitivity on 164kHz [164kHz].

■ LW antenna trimmer : TC106

(1) Adjust TC106 to obtain the best receiving sensitivity on 353kHz [245kHz].

Power Amplifier Adjustment Procedures

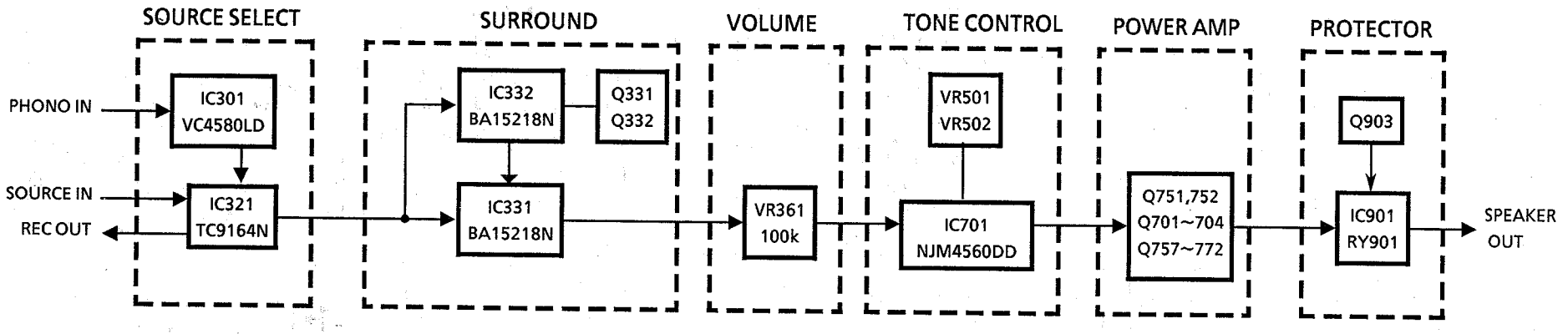


■ Idling Current

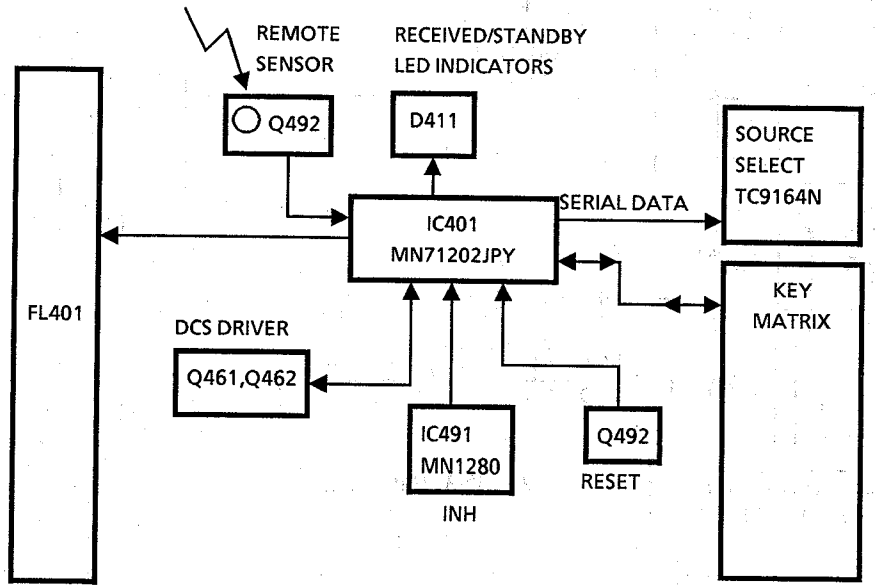
(1) Set the volume control to minimum during this adjustment.
(2) Turn R751 and R752 fully counterclockwise before the power switch on.
(3) Always start from cold,and allow 10 minutes to warm up before adjustment. If the heatsink is already warm from previous use , the correct adjustment can not be made.
(5) Connect a DC voltmeter to R787 resistor's leads for left channel, or to R788 for right channel.
(6) Adjust R751 for left channel, or 752 for right channel, so that the DC voltmeter becomes 2mV ~ 7mV

Block Diagram

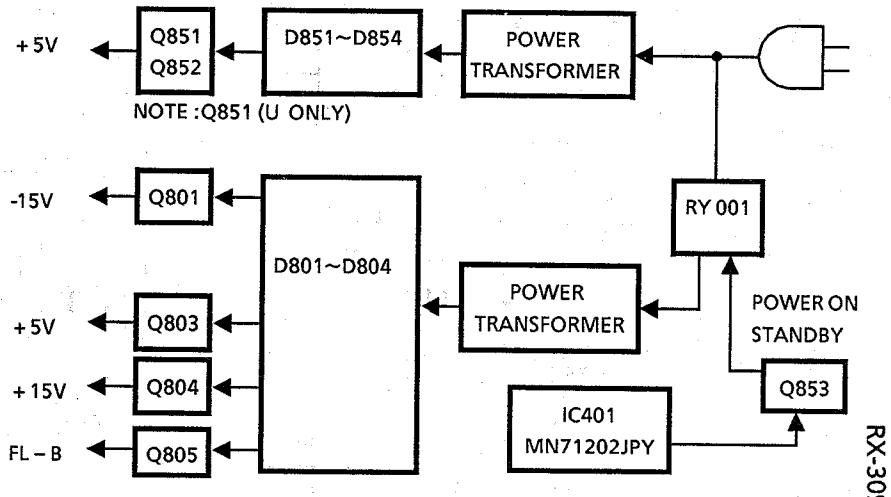
■ Signal Flow



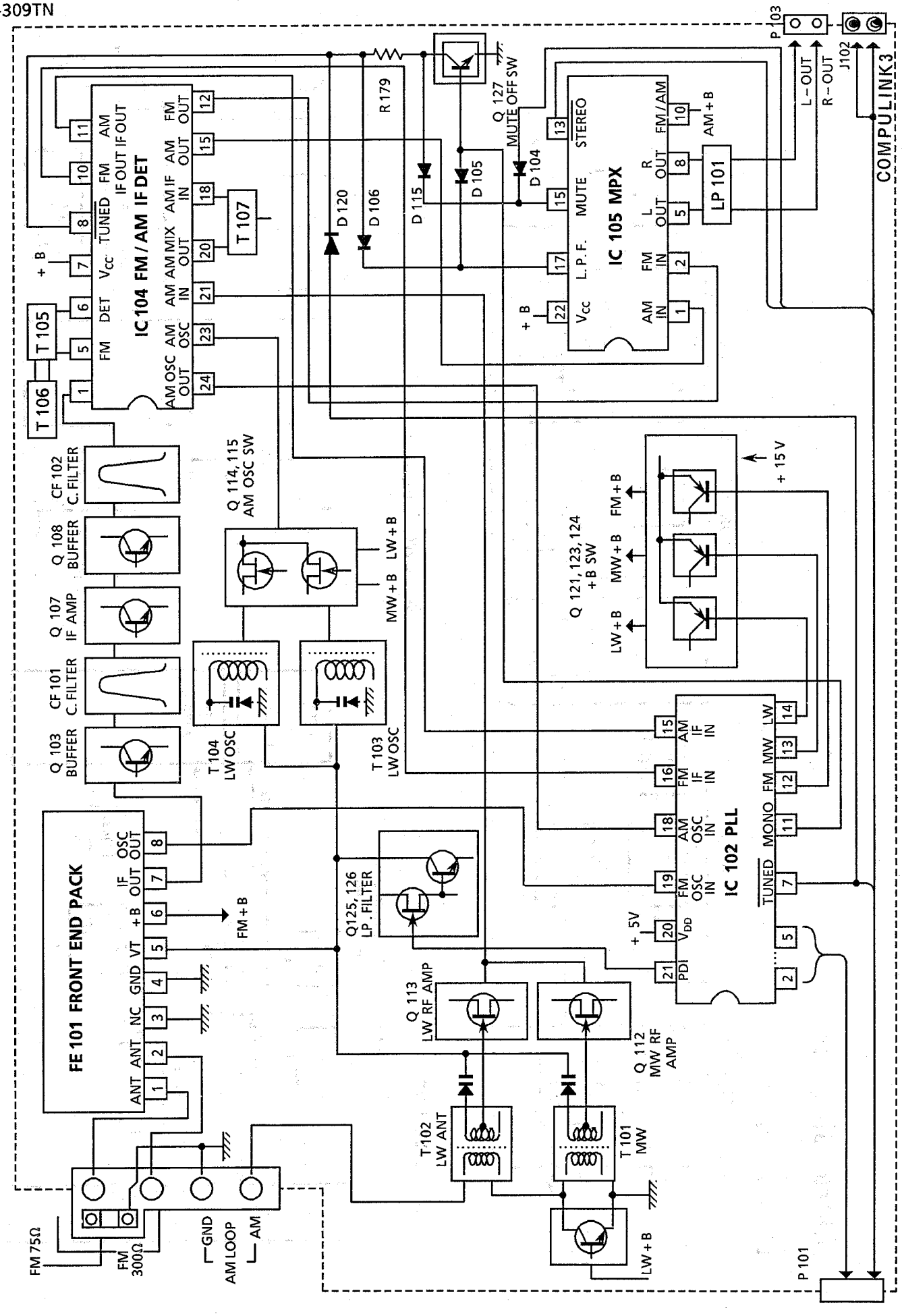
■ Control Section



■ Power Supply Section



■ Tuner Section



— MEMO —

— MEMO —

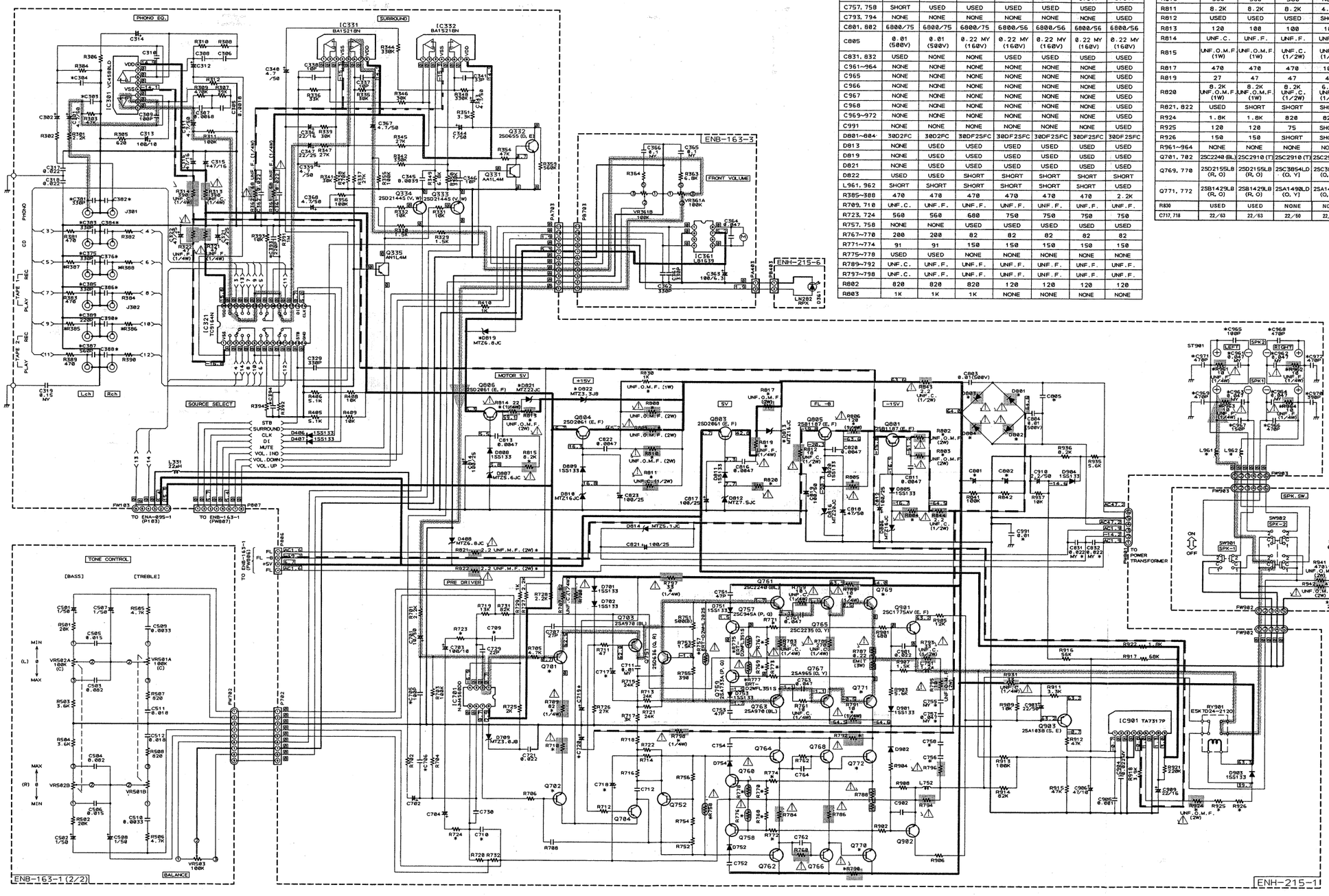
Schematic Diagrams

(1) Input Selector,Regulator and Power Amp.Section

* MARK

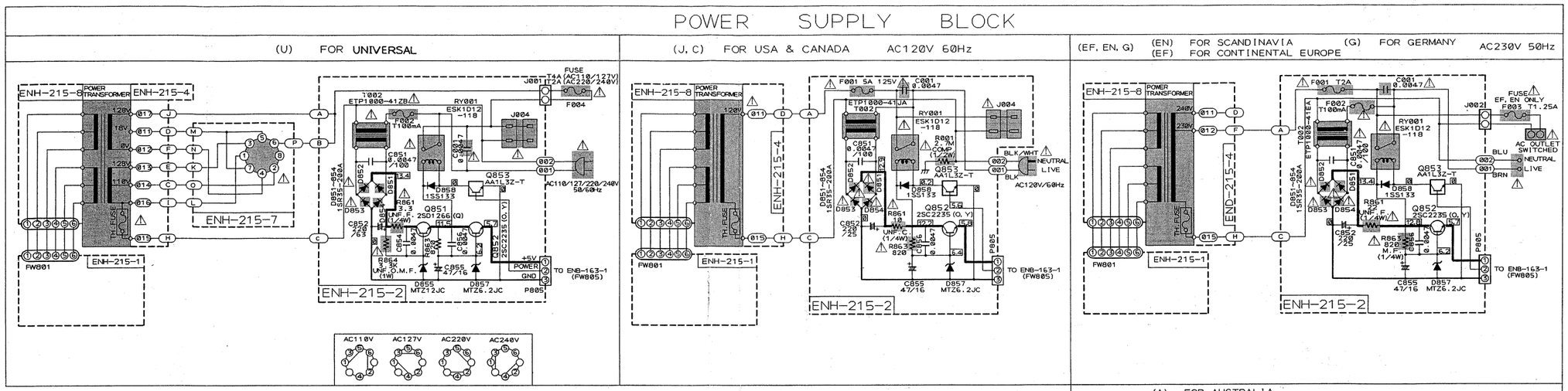
	J	C	U, UT	EF, EN	A	BS	G
C303, 304	100P	100P	100P	100P	100P	100P	470P
C375, 376	NONE	NONE	NONE	NONE	NONE	NONE	USED
C381~390	NONE	NONE	NONE	NONE	NONE	NONE	USED
C393, 394	NONE	NONE	NONE	NONE	NONE	NONE	USED
C705, 706	USED	USED	USED	USED	USED	USED	NONE
C709, 710	27P	27P	27P	47P	47P	47P	47P
C719, 720	47/100	47/100	47/63	47/63	47/63	47/63	47/63
C755, 756	0.022	0.047	0.047	0.047	0.047	0.047	0.047
C757, 758	SHORT	USED	USED	USED	USED	USED	USED
C793, 794	NONE	NONE	NONE	NONE	NONE	NONE	USED
C801, 802	6800/75	6800/75	6800/75	6800/56	6800/56	6800/56	6800/56
C805	0.01 (500V)	0.01 (500V)	0.22 MY (160V)	0.22 MY (160V)	0.22 MY (160V)	0.22 MY (160V)	0.22 MY (160V)
C831, 832	USED	NONE	NONE	USED	USED	USED	USED
C961~964	NONE	NONE	NONE	NONE	NONE	NONE	USED
C965	NONE	NONE	NONE	NONE	NONE	NONE	USED
C966	NONE	NONE	NONE	NONE	NONE	NONE	USED
C967	NONE	NONE	NONE	NONE	NONE	NONE	USED
C968	NONE	NONE	NONE	NONE	NONE	NONE	USED
C969~972	NONE	NONE	NONE	NONE	NONE	NONE	USED
C991	NONE	NONE	NONE	NONE	NONE	NONE	USED
D801~804	3002FC	3002FC	30DF25FC	30DF25FC	30DF25FC	30DF25FC	30DF25FC
D813	NONE	USED	USED	USED	USED	USED	USED
D819	NONE	USED	USED	USED	USED	USED	USED
D821	NONE	USED	USED	USED	USED	USED	USED
D822	USED	USED	SHORT	SHORT	SHORT	SHORT	SHORT
L961, 962	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	USED
R385~388	470	470	470	470	470	470	2.2K
R709, 710	UNF.C.	UNF.F.	UNF.F.	UNF.F.	UNF.F.	UNF.F.	UNF.F.
R723, 724	560	560	680	750	750	750	750
R757, 758	NONE	NONE	USED	USED	USED	USED	USED
R767~770	200	200	82	82	82	82	82
R771~774	91	91	150	150	150	150	150
R775~778	USED	USED	NONE	NONE	NONE	NONE	NONE
R789~792	UNF.C.	UNF.F.	UNF.F.	UNF.F.	UNF.F.	UNF.F.	UNF.F.
R797~798	UNF.C.	UNF.F.	UNF.F.	UNF.F.	UNF.F.	UNF.F.	UNF.F.
R802	820	820	820	120	120	120	120
R803	1K	1K	1K	NONE	NONE	NONE	NONE

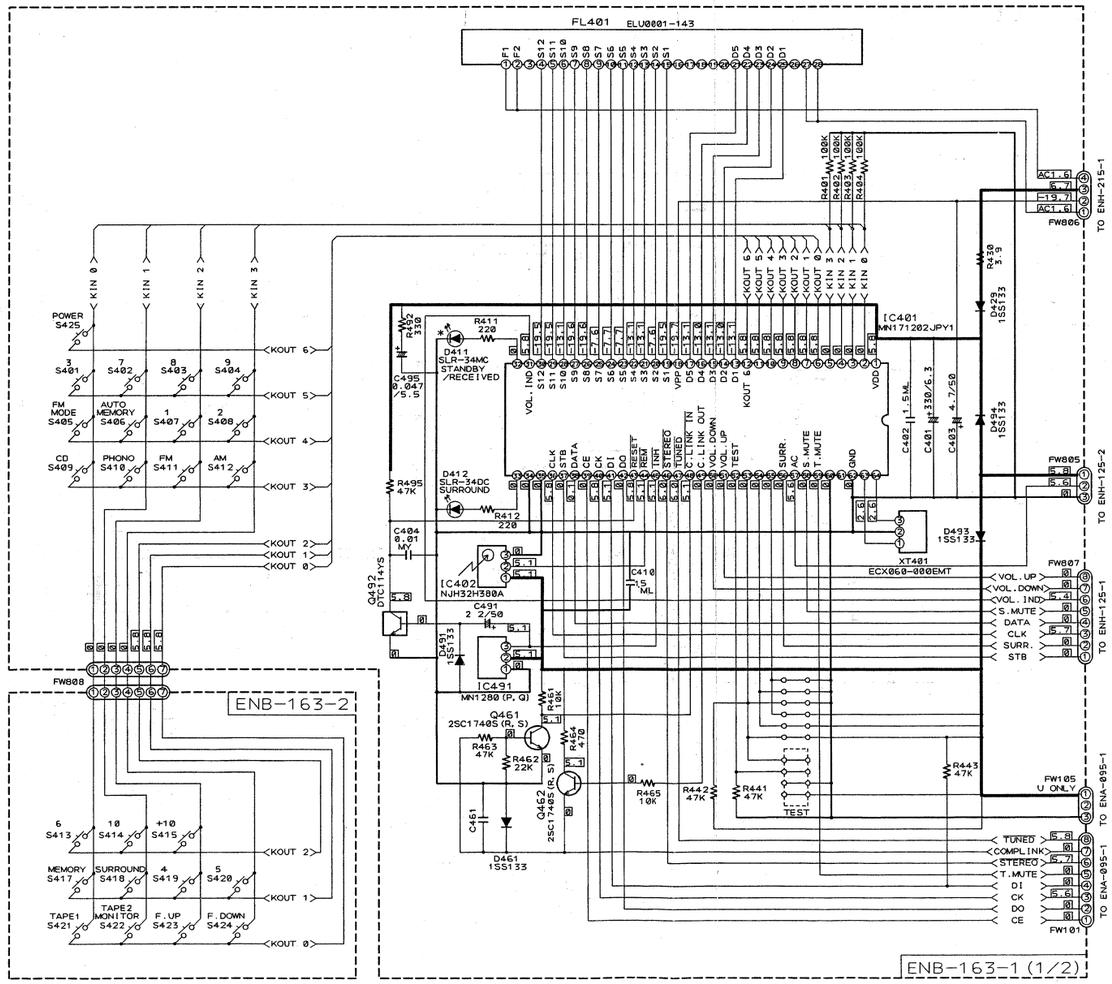
	J	C	U, UT	EF, EN	A	BS	G
R804	5.6K UNF.O.M.F. (1W)	5.6K UNF.O.M.F. (1W)	5.6K UNF.C. (1/2W)	4.7K UNF.C. (1/2W)	4.7K UNF.C. (1/2W)	4.7K UNF.C. (1/2W)	4.7K UNF.C. (1/2W)
R805	4.7K UNF.O.M.F. (1W)	4.7K UNF.O.M.F. (1W)	4.7K UNF.C. (1/2W)	3.9K UNF.C. (1/2W)	3.9K UNF.C. (1/2W)	3.9K UNF.C. (1/2W)	3.9K UNF.C. (1/2W)
R806	UNF.C.	UNF.F.	UNF.F.	UNF.F.	UNF.F.	UNF.F.	UNF.F.
R808	560	560	560	180	180	180	180
R809	560	560	560	180	180	180	180
R810	560	560	560	NONE	NONE	NONE	NONE
R811	8.2K	8.2K	8.2K	4.7K	4.7K	4.7K	4.7K
R812	USED	USED	USED	SHORT	SHORT	SHORT	SHORT
R813	120	100	100	100	100	100	100
R814	UNF.C.	UNF.F.	UNF.F.	UNF.F.	UNF.F.	UNF.F.	UNF.F.
R815	UNF.O.M.F. (1W)	UNF.O.M.F. (1W)	UNF.C. (1/2W)	UNF.C. (1/2W)	UNF.C. (1/2W)	UNF.C. (1/2W)	UNF.C. (1/2W)
R817	470	470	470	100	100	100	100
R819	27	47	47	47	47	47	47
R820	8.2K UNF.O.M.F. (1W)	8.2K UNF.O.M.F. (1W)	8.2K UNF.C. (1/2W)	6.8K UNF.C. (1/2W)	6.8K UNF.C. (1/2W)	6.8K UNF.C. (1/2W)	6.8K UNF.C. (1/2W)
R821, 822	USED	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT
R924	1.8K	1.8K	820	820	820	820	820
R925	120	120	75	SHORT	SHORT	SHORT	SHORT
R926	150	150	SHORT	SHORT	SHORT	SHORT	SHORT
R961~964	NONE	NONE	NONE	NONE	NONE	NONE	USED
Q701, 702	2SC2240 (BL)	2SC2910 (T)	2SC2910 (T)	2SC2910 (T)	2SC2910 (T)	2SC2910 (T)	2SC2910 (T)
Q769, 770	2SD2155LS (R, O)	2SD2155LS (R, O)	2SC3854LD (O, Y)	2SC3855LD (O, Y)	2SC3855LD (O, Y)	2SC3855LD (O, Y)	2SC3855LD (O, Y)
Q771, 772	2SB1429LS (R, O)	2SB1429LS (R, O)	2SA1490LD (O, Y)	2SA1491LD (O, Y)	2SA1491LD (O, Y)	2SA1491LD (O, Y)	2SA1491LD (O, Y)
R830	USED	USED	NONE	NONE	NONE	NONE	NONE
C717, 718	22/63	22/63	22/50	22/50	22/50	22/50	22/50



(No.20375)

(2) System Control & Power Primary Sectionn





* MARK

	J, C	U	EF, EN, G	BS	A
D411	SLR54VC 70F124	SLR54VC 70F124	SLA580LT 70F124	SLA580LT 70F124	SLR54VC 70F124
W350	NONE	NONE	USED	USED	NONE
W401	USED	NONE	NONE	NONE	NONE
W402	NONE	USED	USED	USED	USED
W403	NONE	USED	NONE	NONE	NONE
W404	USED	NONE	USED	USED	USED

*MARK

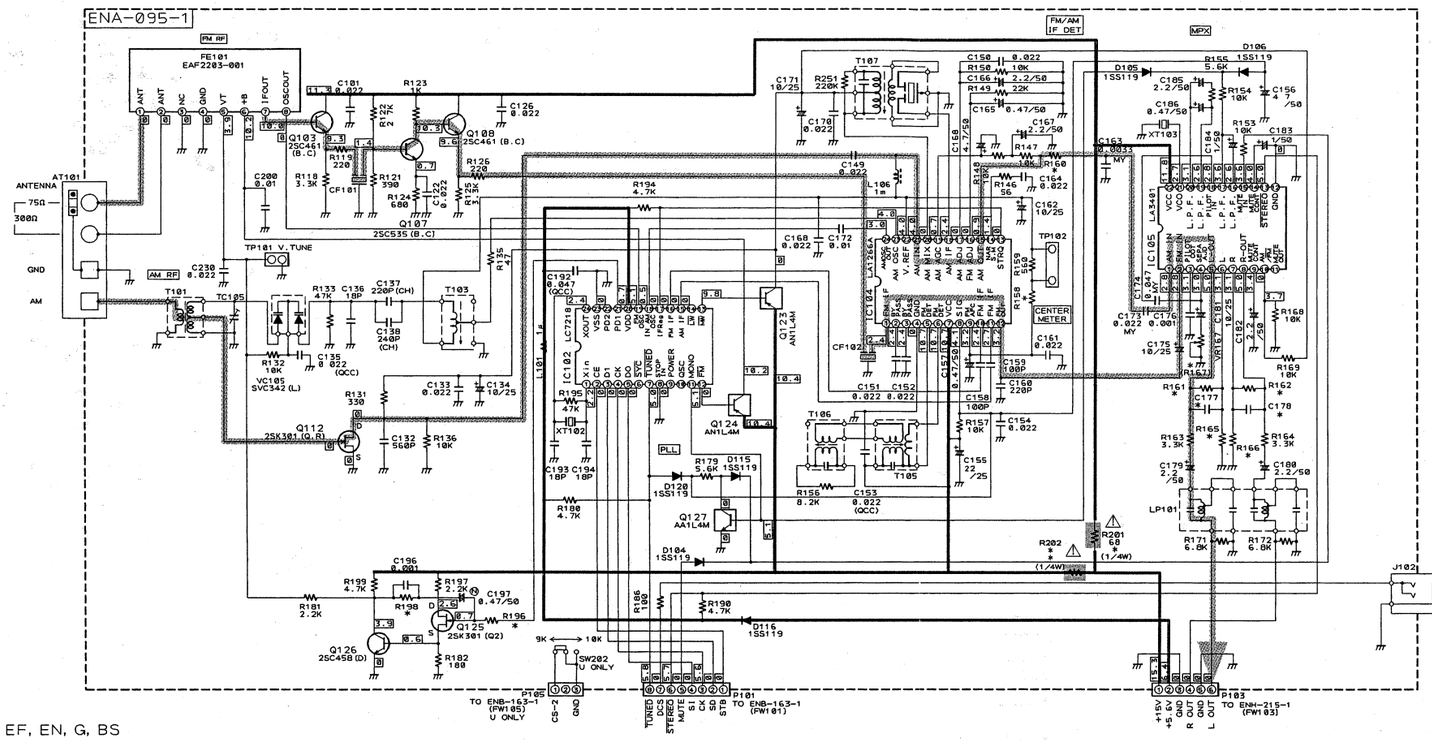
	BS	A
R863	910	820

How to Use Schematic Diagrams

1. —— indicates the +B line.
2. ---------- indicates the −B line.
3. ▒▒ indicates signal path.
4. Parts marked with ⚠ and those in the shaded area ▒▒ are parts for safety.
   Be sure to use one with the specified part number.
5. This is the standard circuit diagram. The circuits and circuit constants are subject to change for improvement without notice.

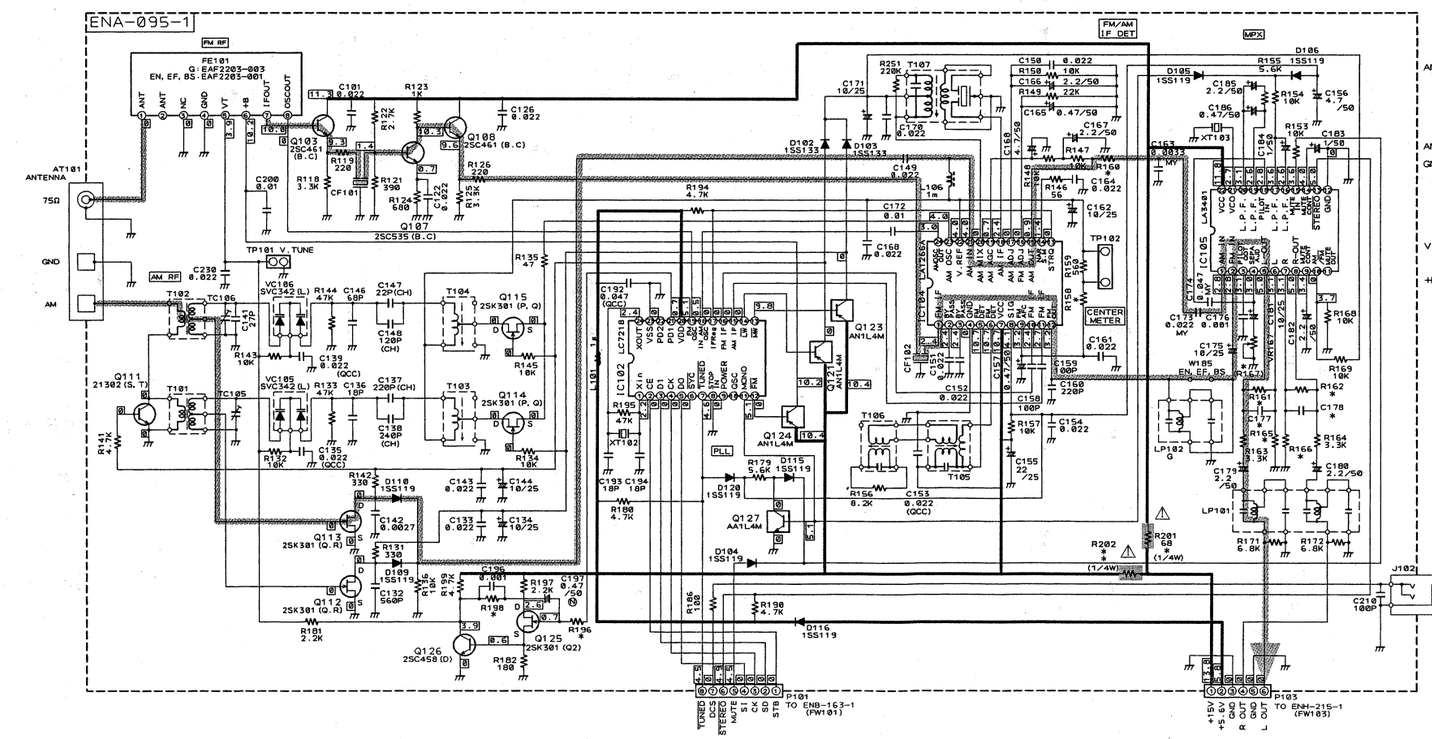
(3) Tuner Section

J, C, U, UT, A

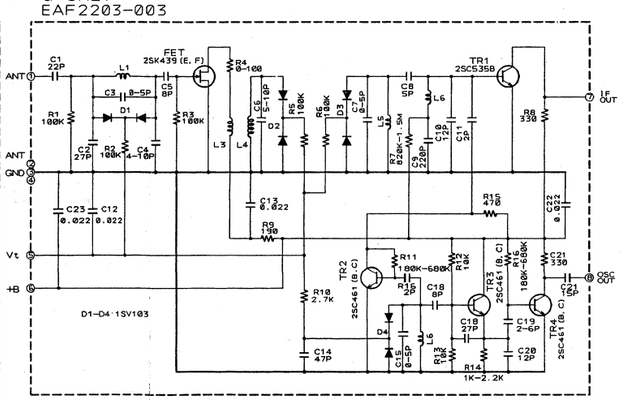


* MARK	J, C	U	A	EF, EN, BS	G
R158	18K	27K	27K	27K	27K
R160	12K	12K	27K	27K	27K
R161, 162	120K	120K	180K	180K	180K
R165, 166	180K	180K	270K	270K	270K
R167, VR167	39K	39K	100K VR	100K VR	100K VR
R196	10K	10K	10K	2.2K	2.2K
R198	3.3K	3.3K	3.3K	8.2K	8.2K
R201	UNF.C.	UNF.F.	UNF.F.	UNF.F.	UNF.F.
R202	47	47	47	47	22
	UNF.C.	UNF.F.	UNF.F.	UNF.F.	UNF.F.
C177, 178	560P	560P	270P	270P	270P

EF, EN, G, BS

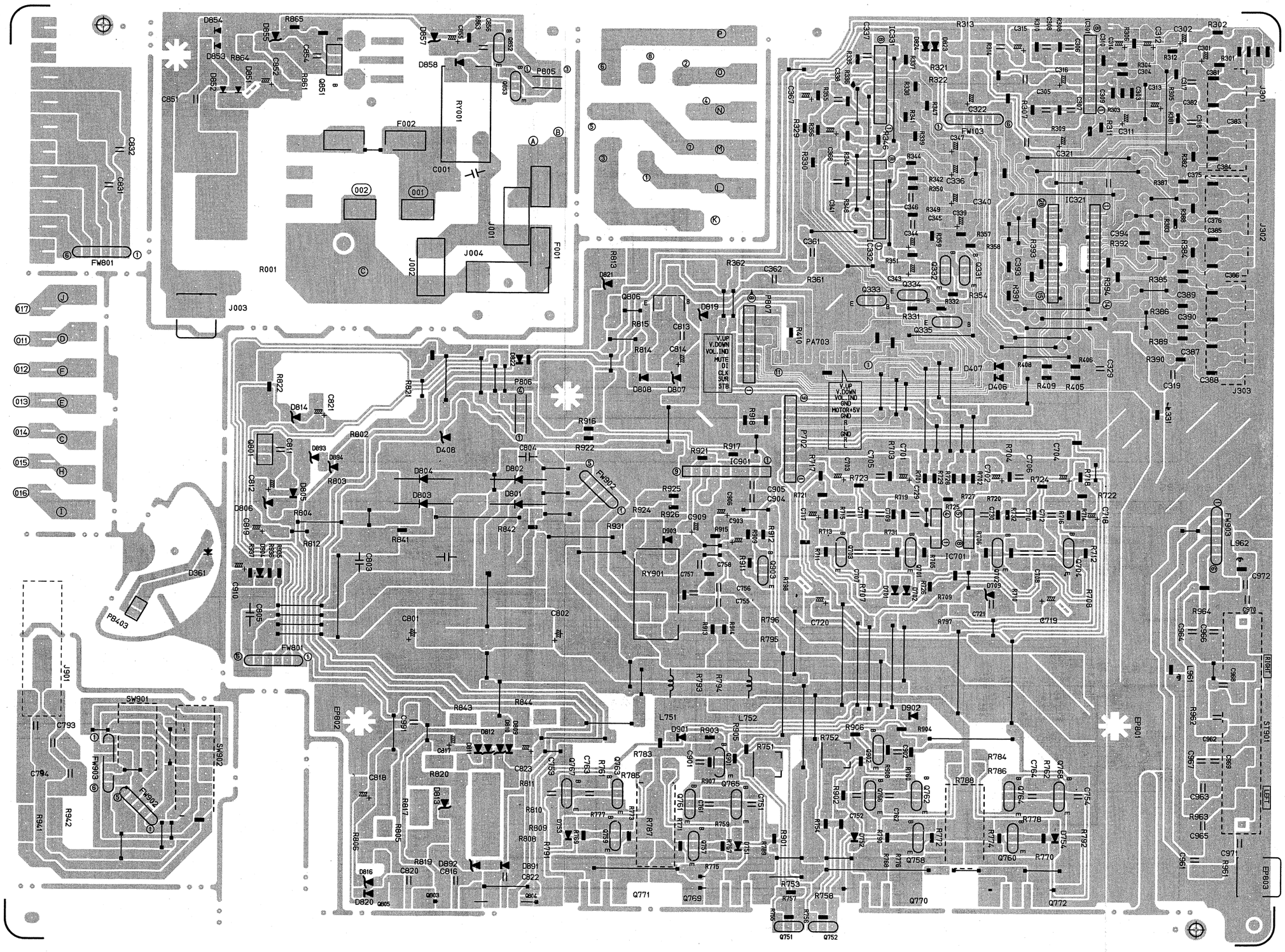


G ONLY
EAF2203-003



Printed Circuit Boards

■Power Supply amplifier and Selector PCB(ENH-215)


D854
R865
D855
D853
R864
D852
D851
C851
C854
C852
R861
Q851
D857
C855
C853
Q852
D858
Q853
PB05
RY001
F002
C001
002
001
J001
J004
J002
F001
R001
J003
C832
C831
FW801
017
011
012
013
014
015
016
R813
D821
Q806
R815
D819
P807
R362
C362
R361
R814
C813
C814
D808
D807
V.UP
V.DOWN
VOL.IND
MUTE
DI
CLK
STB
PA703
R410
R822
R821
P806
D814
C821
R802
D408
R916
R922
C804
FW902
D893
D894
R803
D804
D802
D803
D801
R604
R841
R842
R924
R926
C909
R931
R925
R921
IC901
R917
R918
C905
C904
C906
C903
D903
R915
R912
R911
C758
C757
C756
C755
RY901
R938
R796
R795
R793
R794
C803
C801
C802
C910
C905
R612
C819
R606
C812
C811
Q801
D806
D805
R605
R614
R613
R837
R836
R835
C910
D361
PB403
FW801
J101
SW901
SW902
C793
C794
FW903
FW902
R941
R942
EP802
C991
R843
R844
D812
D809
D810
C817
D811
C823
C818
R820
R811
R810
R809
R808
R807
R806
R805
D813
C820
D816
D820
Q805
D892
C816
D891
C822
Q804
Q803
R819
R791
Q771
Q769
L751
L752
D901
R903
R905
R783
C753
C767
C763
R761
Q763
R785
C761
Q761
R777
R773
R759
Q757
R757
R789
R787
R775
R753
R755
Q751
R751
R752
R906
D902
R904
C902
C901
Q902
R907
Q765
C751
R908
R901
R902
C752
R754
Q753
R756
Q752
Q758
R788
R786
R784
C764
Q762
C762
Q764
R778
R772
R774
Q760
R770
C754
Q766
R792
D754
Q772
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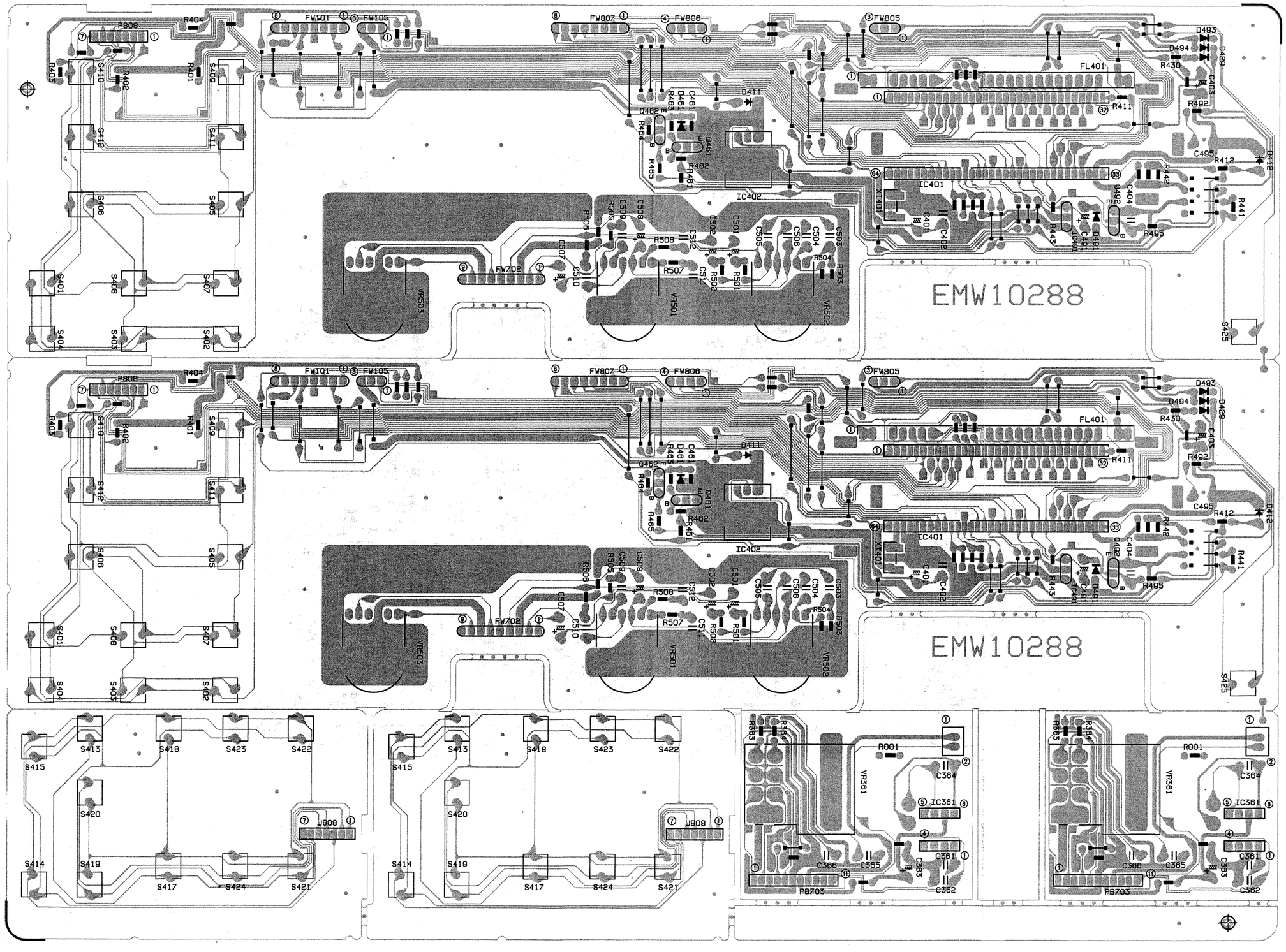
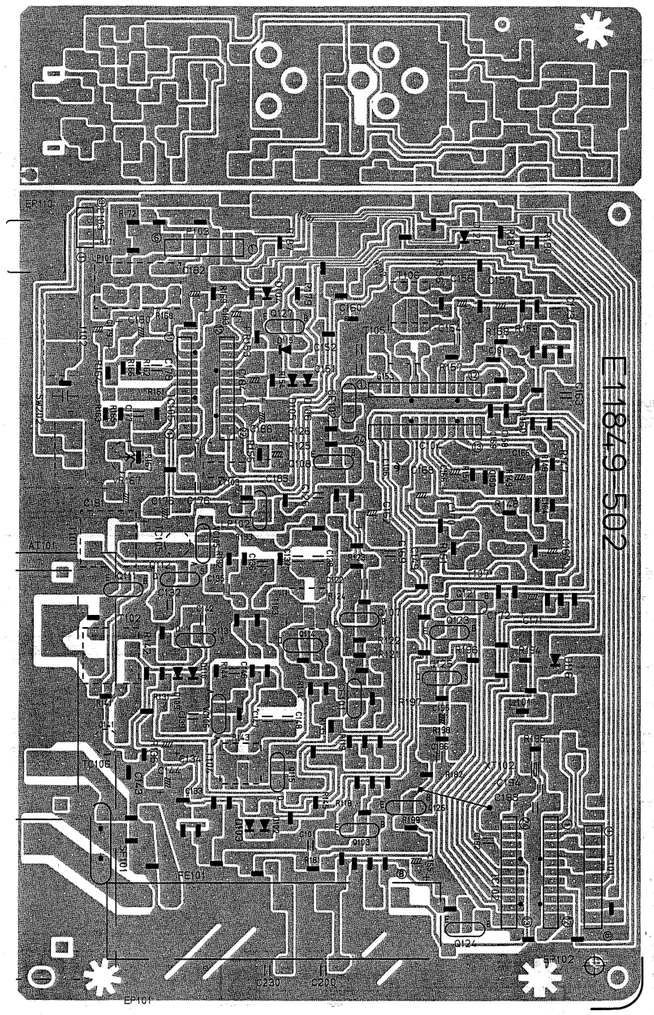
R776
R788
R790
C761
Q761
R771
R757
R789

■Front, Tone control & Volume PCB (ENB-163)

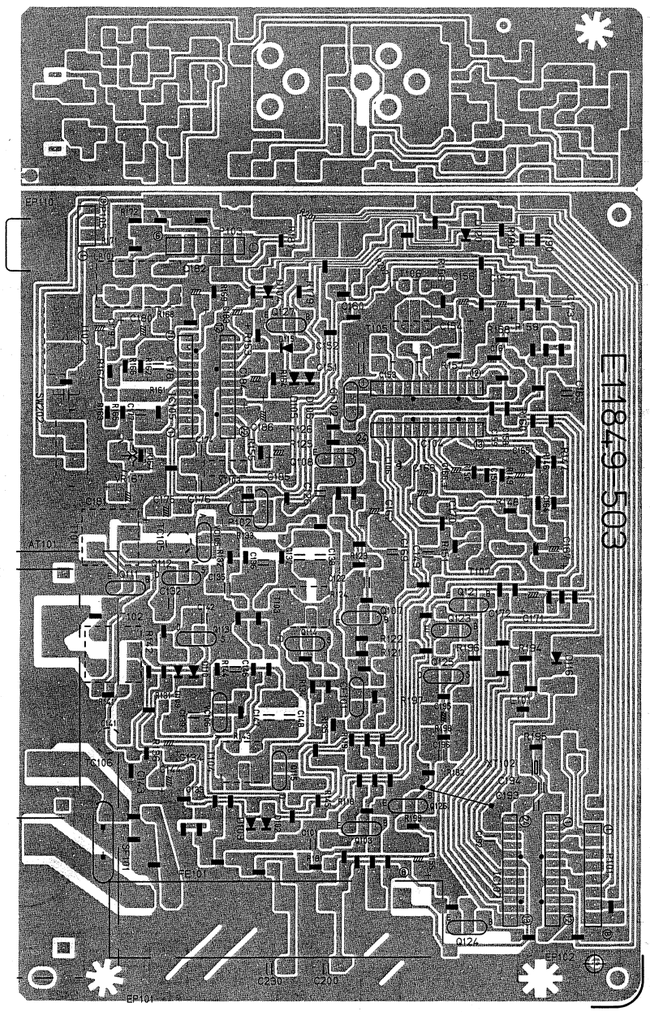


(No.20375)

■Tune PCB(ENA-095)



(No.20375)



(No.20375)

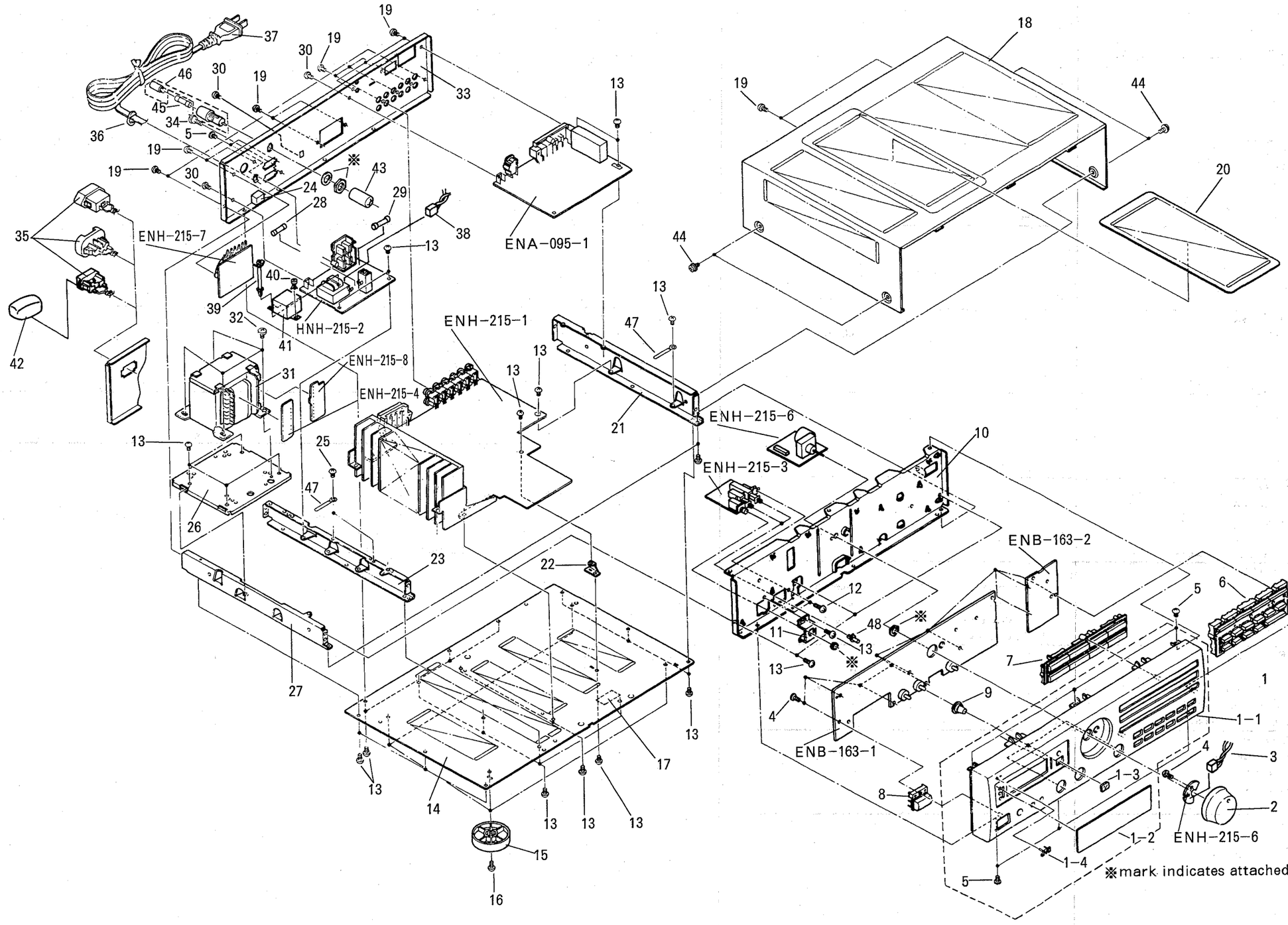
PARTS LIST

※ All printed circuit board assemblies are not arailable as service parts.

Contents

General Exploded View and Parts List 2-3
Printed Circuit Board Ass'y and Parts List 2-7
■ENH-215 □ Power Supply amplifier & Selector PC Board 2-7
■ENB-163 □ Front, Tone control & Volume PC Board 2-12
■ENA-095 □ Tuner PC Board Ass'y 2-14
Accessories List 2-16
Packing Materials and Part Numbers 2-17

General Exploded View and Parts List



■ Parts List

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	EFP-RX308BKE(S)	FRONT PANEL ASS'Y	1		BS,EF,EN,G
		EFP-RX308BKU(S)	FRONT PANEL ASS'Y	1		A,U,UT
	1-1	E102647-012SM	FRONT PANEL	1		A,U,UT
		E102647-011SM	FRONT PANEL	1		BS,EF,EN,G
	1-2	E308268-002SM	WINDOW SCREEN	1		
	1-3	E72436-006	SCREEN	1		
	1-4	VJD5429-001	JVC MARK	1		
	2	E308266-002SM	VOLUME KNOB	1		
	3	EWS142-008	WIRE ASSY	1		
	4	SDSF2608Z	SCREW	10		
	5	SDSG3008M	SCREW	6		
		SDSG3008M	SCREW	2		U,UT
	6	E207678-002SM	PUSH BUTTON	1	SOURCE	UT
	7	E207677-002SM	PUSH BUTTON	1	10KEY	
	8	E407320-002SM	PUSH BUTTON	1	POWER	
	9	E308267-002SM	TONE KNOB	3		
	10	E102649-001SM	FRONT BRACKET	1		
	11	E407323-001SM	HEAD PHONE BRACKET	1		
	12	SBST3006CC	SCREW	2		
	13	SBSG3008CC	SCREW	34		
	14	E102371-004SM	BOTTOM BASE	1		
	15	VJF4039-00F	FOOT	4		A,U,UT
		E406379-003SS	FOOT	4		BS,EF,EN,G
	16	SBST3010Z	SCREW	4		
	17	E70115-002	CAUTION LABEL	1		
	18	E207049-005	METAL COVER	1		
	19	SBSG3008M	SCREW	12		
		SBSG3008M	SCREW	2		U,UT
	20	E307233-001	SHEET	1		
	21	E206957-001SM	SIDE BRACKET	1	RIGHT	
	22	E68587-009	BRACKET	1		
	23	E206958-004SM	CENTER BRACKET	1		
	24	E306805-023	SPACER	1		A,BS,EF,EN,G
	25	SBST3006Z	SCREW	2		
	26	E206959-002SM	TRANSFORMER BRACKET	1		
	27	E206956-001SM	SIDE BRACKET	1	LEFT	
⚠	28	QMF51E2-R10J1	FUSE	1	T0.1A/250V	Except BS
⚠		QMF51E2-R10J1BS	FUSE	1	T0.1A/250V	BS
⚠	29	QMF51E2-2R0J1	FUSE	1	T2.0A/250V	Except BS
⚠		QMF51E2-2R0J1BS	FUSE	1	T2.0A/250V	BS
	30	SBST3006M	SCREW	2		
	30	SBST3006M	SCREW	1		G
	31	ETP1200-58EAJ	POWER TRANSFORMER	1		A,EF,EN,G
		ETP1200-58EAJBS	POWER TRANSFORMER	1		BS
		ETP1200-55FAJ	POWER TRANSFORMER	1		U,UT
	32	E65389-004	SPECIAL SCREW	4		
	33	E207332-025SM	REAR PANEL	1		U,UT
		E207332-031SM	REAR PANEL	1		EN,EF
		E207332-032SM	REAR PANEL	1		BS,G
		E207332-033SM	REAR PANEL	1		A

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	34	E73562-003	SPECIAL SCREW	1		
⚠	35	EMC0237-001BS	AC SOCKET	1		BS
⚠		EMC0236-001	AC SOCKET	1		EF,EN,G
⚠		EMC0238-001	AC SOCKET	1		A
⚠	36	QHS3876-162	CORD STOPPER	1		Except BS
⚠		QHS3876-162BS	CORD STOPPER	1		BS
⚠	37	QMP25F0-244	POWER CORD	1		A
⚠		QMP3900-200	POWER CORD	1		EF,EN
⚠		QMP39A0-200	POWER CORD	1		G
⚠		QMP7520-200	POWER CORD	1		U,UT
⚠		QMP5530-0085BS	POWER CORD	1		BS
	38	EWS282-002	SOCKET WIRE	1		A,EF,EN,G
		EWS282-002BS	SOCKET WIRE	1		BS
		EWS282-001	SOCKET WIRE	1		U,UT
	39	E306232-002	FASTNER	1		BS,EF,EN,G,A
	40	E48729-008	PLASTIC RIVET	1		A,BS,EF,EN,G
	41	E406528-003	PRIMARY COVER	1		A,BS,EF,EN,G
	42	E406079-001	AC OUTLET	1		BS
	43	E69291-001	FUSE COVER	1		U,UT,EN,EF
	44	E61660-004	SPECIAL SCREW	4		
⚠	45	QMF51E2-1R25J1	FUSE	1	T0.25A/250V	EF,EN
	46	QMG0301-003	FUSE HOLDER	1		EF,EN,U,UT
	47	VKZ4001-111S	WIRE CLAMP	3		
	48	E407321-002SM	SPEAKER BUTTON	2		
	-	E61029-005	NUMBER LABEL	1		BS,EF,EN,U
	-	QZL1031-101	LABEL	1		EF
	-	E70027-001	APROVAL LABEL	1		EN
	-	E75139-003	LABEL	1	Made in Malaysia	U

⚠ : Safety Parts

The Marks for Designated Areas

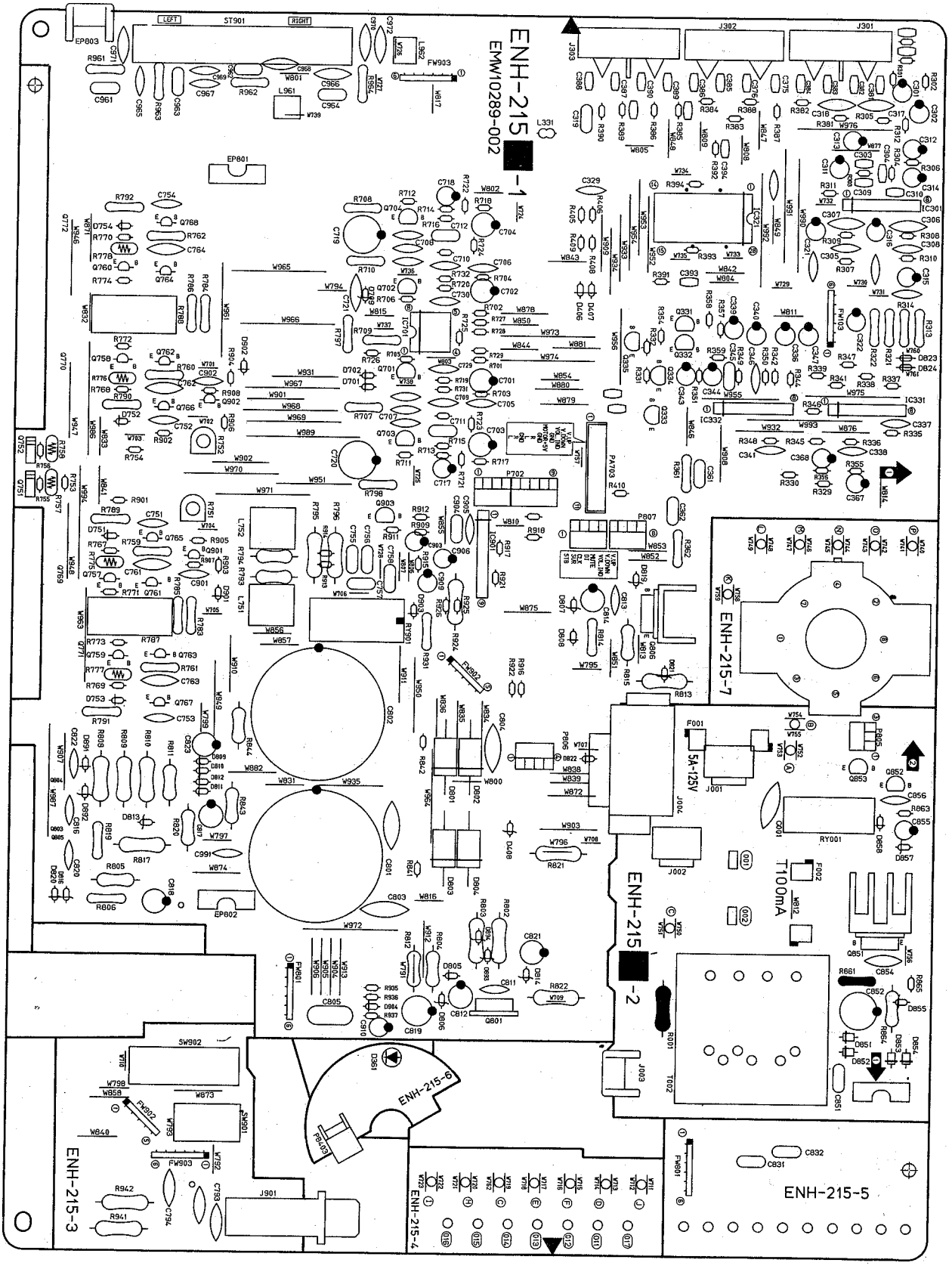
A	Australia	EF	Continental Europe	EN	Scandinavia
G	Germany	U	Universal	UT	Taiwan
BS	the U.K.	No mark indicates all area.			

Printed Circuit Board Ass'y and Parts List

■ENH-215 ☐ Power Supply amplifier & Selecotor PC Board

Note : ENH-215 ☐ varies according to the areas employed. See note (1) when placing an order.

※ All printed circuit board assemblies are not arailable as service parts.



Note (1)

PC Board Ass'y	Designated Areas
ENH-215 [E]	Australia
ENH-215 [C]	Universal Type Taiwan
ENH-215 [D]	Continental Europe Scandinavia
ENH-215 [G]	Germany
ENH-215 [F] BS	the U.K.

TRANSISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
	Q331	AA1L4M	SILICON	NEC	
	Q332	2SD655(D,E)	SILICON	HITACHI	
	Q333	2SD2144S(VW)	SILICON	ROHM	
	Q334	2SD2144S(VW)	SILICON	ROHM	
	Q335	AN1L4M	SILICON	NEC	
	Q701	2SC2910(T)	SILICON	SANYO	
	Q702	2SC2910(T)	SILICON	SANYO	
	Q703	2SA970(BL)	SILICON	TOSHIBA	
	Q704	2SA970(BL)	SILICON	TOSHIBA	
	Q751	2SD636(Q,R)	SILICON	MATSUSHITA	
	Q752	2SD636(Q,R)	SILICON	MATSUSHITA	
	Q757	2SC945A(P,Q)	SILICON	NEC	
	Q758	2SC945A(P,Q)	SILICON	NEC	
	Q759	2SA733A(P,Q)	SILICON	NEC	
	Q760	2SA733A(P,Q)	SILICON	NEC	
	Q761	2SC2240(BL)	SILICON	TOSHIBA	
	Q762	2SC2240(BL)	SILICON	TOSHIBA	
	Q763	2SA970(BL)	SILICON	TOSHIBA	
	Q764	2SA970(BL)	SILICON	TOSHIBA	
	Q765	2SC2235(O,Y)	SILICON	TOSHIBA	
	Q766	2SC2235(O,Y)	SILICON	TOSHIBA	
	Q767	2SA965(O,Y)	SILICON	0062	
	Q768	2SA965(O,Y)	SILICON	0062	
	Q769	PT197	SILICON	SANKEN	C
	Q769	2SC3854LD(O,Y)	SILICON	SANKEN	C
	Q769	PT200	SILICON		D
	Q769	2SC3855LD(O,Y)	SILICON	SANKEN	D
	Q769	PT200	SILICON		E
	Q769	2SC3855LD(O,Y)	SILICON	SANKEN	E
	Q769	PT200	SILICON		FBS
	Q769	2SC3855LD(O,Y)	SILICON	SANKEN	FBS
	Q769	PT200	SILICON		G
	Q769	2SC3855LD(O,Y)	SILICON	SANKEN	G
	Q770	2SC3854LD(O,Y)	SILICON	SANKEN	C
	Q770	2SC3855LD(O,Y)	SILICON	SANKEN	D
	Q770	2SC3855LD(O,Y)	SILICON	SANKEN	E
	Q770	2SC3855LD(O,Y)	SILICON	SANKEN	FBS
	Q770	2SC3855LD(O,Y)	SILICON	SANKEN	G
	Q771	2SA1490LD(O,Y)	SILICON	SANKEN	C
	Q771	2SA1491LD(O,Y)	SILICON	SANKEN	D
	Q771	2SA1491LD(O,Y)	SILICON	SANKEN	E
	Q771	2SA1491LD(O,Y)	SILICON	SANKEN	FBS
	Q771	2SA1491LD(O,Y)	SILICON	SANKEN	G
	Q772	2SA1490LD(O,Y)	SILICON	SANKEN	C
	Q772	2SA1491LD(O,Y)	SILICON	SANKEN	D
	Q772	2SA1491LD(O,Y)	SILICON	SANKEN	E
	Q772	2SA1491LD(O,Y)	SILICON	SANKEN	FBS
	Q772	2SA1491LD(O,Y)	SILICON	SANKEN	G
	Q801	2SB1187(E,F)	SILICON	ROHM	
	Q803	2SD2061F(E,F)	SILICON	ROHM	
	Q804	2SD2061F(E,F)	SILICON	ROHM	
	Q805	2SB1187F(E,F)	SILICON	ROHM	
	Q806	2SD2061(E,F)	SILICON	ROHM	
	Q851	2SD1266(Q)	SILICON	MATSUSHITA	C
	Q852	2SC2235(O,Y)	SILICON	TOSHIBA	
	Q853	AA1L3Z	SILICON	NEC	
	Q901	2SC1775AV(E,F)	SILICON	HITACHI	
	Q902	2SC1775AV(E,F)	SILICON	HITACHI	
	Q903	2SA1038(S,E)	SILICON	ROHM	

I. C. S.

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
	IC301	VC4580LD	I.C.	DAINICHI	
	IC321	TC9164N	I.C.	TOSHIBA	
	IC331	BA15218N	I.C.	ROHM	
	IC332	BA15218N	I.C.	ROHM	
	IC701	NJM4560DD	I.C.	DAINICHI	
	IC901	TA7317P	I.C.	TOSHIBA	

⚠ : SAFETY PARTS

DIODES

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
	D361	LN282RPX	L.E.D.		
	D406	1SS133	SILICON	ROHM	
	D407	1SS133	SILICON	ROHM	
	D408	MTZ6.8JC	ZENER	ROHM	
	D701	1SS133	SILICON	ROHM	
	D702	1SS133	SILICON	ROHM	
	D709	MTZ3.0JB	ZENER	ROHM	
	D751	1SS133	SILICON	ROHM	
	D752	1SS133	SILICON	ROHM	
	D753	1SS133	SILICON	ROHM	
	D754	1SS133	SILICON	ROHM	
	D801	30DF2SFC	SILICON	NIHONINTER	
	D802	30DF2SFC	SILICON	NIHONINTER	
	D803	30DF2SFC	SILICON	NIHONINTER	
	D804	30DF2SFC	SILICON	NIHONINTER	
	D805	1SS133	SILICON	ROHM	
	D806	MTZ16JC	ZENER	ROHM	
	D807	MTZ5.6JC	ZENER	ROHM	
	D808	1SS133	SILICON	ROHM	
	D809	1SS133	SILICON	ROHM	
	D810	MTZ16JC	ZENER	ROHM	
	D811	1SS133	SILICON	ROHM	
	D812	MTZ7.5JC	ZENER	ROHM	
	D813	MTZ16JC	ZENER	ROHM	
	D814	MTZ5.1JC	ZENER	ROHM	
	D816	MTZ20JC	ZENER	ROHM	
	D819	MTZ6.8JC	ZENER	ROHM	
	D820	1SS133	SILICON	ROHM	
	D821	MTZ22JC	ZENER	ROHM	
	D851	1SR35-200A	SILICON	ROHM	
	D852	1SR35-200A	SILICON	ROHM	
	D853	1SR35-200A	SILICON	ROHM	
	D854	1SR35-200A	SILICON	ROHM	
	D855	MTZ12JC	ZENER	ROHM	C
	D857	MTZ6.2JC	ZENER	ROHM	
	D858	1SS133	SILICON	ROHM	
	D901	1SS133	SILICON	ROHM	
	D902	1SS133	SILICON	ROHM	
	D903	1SS133	SILICON	ROHM	
	D904	1SS133	SILICON	ROHM	

CAPACITORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	C001	QCZ9019-472	4700PF		CERAMIC	C
⚠	C001	QCZ9019-472	4700PF		CERAMIC	D
⚠	C001	QCZ9019-472	4700PF		CERAMIC	E
⚠	C001	QCZ9019-472BS	4700PF		CERAMIC	FBS
⚠	C001	QCZ9019-472	4700PF		CERAMIC	G
	C301	QETB1HM-475	4.7MF	50V	ELECTRO	
	C302	QETB1HM-475	4.7MF	50V	ELECTRO	
	C303	QCBB1HK-101	100PF	50V	CERAMIC	C
	C303	QCBB1HK-101	100PF	50V	CERAMIC	D
	C303	QCBB1HK-101	100PF	50V	CERAMIC	E
	C303	QCBB1HK-101	100PF	50V	CERAMIC	FBS
	C303	QCBB1HK-471	470PF	50V	CERAMIC	G
	C304	QCBB1HK-101	100PF	50V	CERAMIC	C
	C304	QCBB1HK-101	100PF	50V	CERAMIC	D
	C304	QCBB1HK-101	100PF	50V	CERAMIC	E
	C304	QCBB1HK-101	100PF	50V	CERAMIC	FBS
	C304	QCBB1HK-471	470PF	50V	CERAMIC	G
	C305	QCY21HK-182	1800PF	50V	CERAMIC	
	C306	QCY21HK-182	1800PF	50V	CERAMIC	
	C307	QCY21HK-682	6800PF	50V	CERAMIC	
	C308	QCY21HK-682	6800PF	50V	CERAMIC	
	C309	QCBB1HK-101	100PF	50V	CERAMIC	
	C310	QCBB1HK-101	100PF	50V	CERAMIC	
	C311	QETB1HM-475	4.7MF	50V	ELECTRO	
	C312	QETB1HM-475	4.7MF	50V	ELECTRO	
	C313	QETB1AM-107	100MF	10V	ELECTRO	
	C314	QETB1AM-107	100MF	10V	ELECTRO	
	C315	QETB1CM-476	47MF	16V	ELECTRO	
	C316	QETB1CM-476	47MF	16V	ELECTRO	
	C317	QCF21HP-223	0.022MF	50V	CERAMIC	
	C318	QCF21HP-223	0.022MF	50V	CERAMIC	
	C319	QFV81HJ-154	0.15MF	50V	T.FILM	
	C321	QETB1EM-226	22MF	25V	ELECTRO	
	C322	QETB1EM-226	22MF	25V	ELECTRO	
	C329	QCS21HJ-331	330PF	50V	CERAMIC	
	C336	QETB1CM-226	22MF	16V	ELECTRO	
	C337	QCS21HJ-100	10PF	50V	CERAMIC	
	C338	QCS21HJ-100	10PF	50V	CERAMIC	
	C339	QETB1HM-475	4.7MF	50V	ELECTRO	
	C340	QETB1HM-475	4.7MF	50V	ELECTRO	
	C341	QCS21HJ-330	33PF	50V	CERAMIC	
	C343	QETB1HM-475	4.7MF	50V	ELECTRO	
	C344	QETB1HM-105	1MF	50V	ELECTRO	
	C345	QFLB1HJ-392	3900PF	50V	MYLAR	
	C346	QCS21HJ-100	10PF	50V	CERAMIC	

⚠ : SAFETY PARTS

CAPACITORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C347	QETB1EM-226	22MF	25V	ELECTRO	
	C361	QCF21HP-223	0.022MF	50V	CERAMIC	
	C362	QCF21HP-223	0.022MF	50V	CERAMIC	
	C367	QETB1HM-475	4.7MF	50V	ELECTRO	
	C368	QETB1HM-475	4.7MF	50V	ELECTRO	
	C375	QCBB1HK-331	330PF	50V	CERAMIC	G
	C376	QCBB1HK-331	330PF	50V	CERAMIC	G
	C381	QCBB1HK-331	330PF	50V	CERAMIC	G
	C382	QCBB1HK-331	330PF	50V	CERAMIC	G
	C383	QCBB1HK-331	330PF	50V	CERAMIC	G
	C384	QCBB1HK-331	330PF	50V	CERAMIC	G
	C385	QCBB1HK-331	330PF	50V	CERAMIC	G
	C386	QCBB1HK-331	330PF	50V	CERAMIC	G
	C387	QCBB1HK-561	560PF	50V	CERAMIC	G
	C388	QCBB1HK-561	560PF	50V	CERAMIC	G
	C389	QCBB1HK-221	220PF	50V	CERAMIC	G
	C390	QCBB1HK-221	220PF	50V	CERAMIC	G
	C393	QCBB1HK-221	220PF	50V	CERAMIC	G
	C394	QCBB1HK-221	220PF	50V	CERAMIC	G
	C701	QETB1HM-106	10MF	50V	ELECTRO	
	C702	QETB1HM-106	10MF	50V	ELECTRO	
	C703	QETB1AM-107	100MF	10V	ELECTRO	
	C704	QETB1AM-107	100MF	10V	ELECTRO	
	C705	QCS21HJ-101	100PF	50V	CERAMIC	C
	C705	QCS21HJ-101	100PF	50V	CERAMIC	D
	C705	QCS21HJ-101	100PF	50V	CERAMIC	E
	C705	QCS21HJ-101	100PF	50V	CERAMIC	FBS
	C706	QCS21HJ-101	100PF	50V	CERAMIC	C
	C706	QCS21HJ-101	100PF	50V	CERAMIC	D
	C706	QCS21HJ-101	100PF	50V	CERAMIC	E
	C706	QCS21HJ-101	100PF	50V	CERAMIC	FBS
	C707	QCS21HJ-270	27PF	50V	CERAMIC	
	C708	QCS21HJ-270	27PF	50V	CERAMIC	
	C709	QCS21HJ-270	27PF	50V	CERAMIC	C
	C709	QCS21HJ-470	47PF	50V	CERAMIC	D
	C709	QCS21HJ-470	47PF	50V	CERAMIC	E
	C709	QCS21HJ-470	47PF	50V	CERAMIC	FBS
	C709	QCS21HJ-470	47PF	50V	CERAMIC	G
	C710	QCS21HJ-270	27PF	50V	CERAMIC	C
	C710	QCS21HJ-470	47PF	50V	CERAMIC	D
	C710	QCS21HJ-470	47PF	50V	CERAMIC	E
	C710	QCS21HJ-470	47PF	50V	CERAMIC	FBS
	C710	QCS21HJ-470	47PF	50V	CERAMIC	G
	C711	QFLB1HJ-103	0.01MF	50V	MYLAR	
	C712	QFLB1HJ-103	0.01MF	50V	MYLAR	
	C717	QETB1HM-226	22MF	50V	ELECTRO	
	C718	QETB1HM-226	22MF	50V	ELECTRO	
	C719	QETB1JM-476	47MF	63V	ELECTRO	
	C720	QETB1JM-476	47MF	63V	ELECTRO	
	C721	QCF21HP-223	0.022MF	50V	CERAMIC	
	C729	QCS21HJ-220	22PF	50V	CERAMIC	
	C730	QCS21HJ-220	22PF	50V	CERAMIC	
	C751	QCS22HJ-470A	47PF	500V	CERAMIC	
	C752	QCS22HJ-470A	47PF	500V	CERAMIC	
	C753	QCS22HJ-470A	47PF	500V	CERAMIC	
	C754	QCS22HJ-470A	47PF	500V	CERAMIC	
	C755	QFLB1HJ-473	0.047MF	50V	MYLAR	
	C756	QFLB1HJ-473	0.047MF	50V	MYLAR	
	C757	QFLB1HJ-473	0.047MF	50V	MYLAR	
	C758	QFLB1HJ-473	0.047MF	50V	MYLAR	
	C761	QCF21HP-473	0.047MF	50V	CERAMIC	
	C762	QCF21HP-473	0.047MF	50V	CERAMIC	
	C763	QCF21HP-473	0.047MF	50V	CERAMIC	
	C764	QCF21HP-473	0.047MF	50V	CERAMIC	
	C793	QCS21HJ-221	220PF	50V	CERAMIC	G
	C794	QCS21HJ-221	220PF	50V	CERAMIC	G
	C801	EEW7504-688T	6800MF		ELECTRO	C
	C801	EEW5613-688T	6800MF		ELECTRO	D
	C801	EEW5613-688T	6800MF		ELECTRO	E
	C801	EEW5613-688T	6800MF		ELECTRO	FBS
	C801	EEW5613-688T	6800MF		ELECTRO	G
	C802	EEW7504-688T	6800MF		ELECTRO	C
	C802	EEW5613-688T	6800MF		ELECTRO	D
	C802	EEW5613-688T	6800MF		ELECTRO	E
	C802	EEW5613-688T	6800MF		ELECTRO	FBS
	C802	EEW5613-688T	6800MF		ELECTRO	G
	C803	QCE22HP-103	0.01MF	500V	CERAMIC	
	C804	QCE22HP-103	0.01MF	500V	CERAMIC	
	C805	QFN82CJ-224	0.22MF	160V	MYLAR	
	C811	QCF21HP-472	4700PF	50V	CERAMIC	
	C812	QETB1EM-107	100MF	25V	ELECTRO	
	C813	QCF21HP-472	4700PF	50V	CERAMIC	
	C814	QETB1EM-107	100MF	25V	ELECTRO	
	C816	QCF21HP-472	4700PF	50V	CERAMIC	
	C817	QETB1EM-107	100MF	25V	ELECTRO	
	C818	QETB1HM-476	47MF	50V	ELECTRO	
	C819	QETB1HM-107	100MF	50V	ELECTRO	
	C820	QCF21HP-472	4700PF	50V	CERAMIC	
	C821	QETB1EM-107	100MF	25V	ELECTRO	
	C822	QCF21HP-472	4700PF	50V	CERAMIC	
	C823	QETB1EM-107	100MF	25V	ELECTRO	
	C831	QFLB1HJ-223	0.022MF	50V	MYLAR	D
	C831	QFLB1HJ-223	0.022MF	50V	MYLAR	E
	C831	QFLB1HJ-223	0.022MF	50V	MYLAR	FBS
	C831	QFLB1HJ-223	0.022MF	50V	MYLAR	G

⚠ : SAFETY PARTS

CAPACITORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C832	QFLB1HJ-223	0.022MF	50V	MYLAR	D
	C832	QFLB1HJ-223	0.022MF	50V	MYLAR	E
	C832	QFLB1HJ-223	0.022MF	50V	MYLAR	FBS
	C832	QFLB1HJ-223	0.022MF	50V	MYLAR	G
	C851	QFN82AJ-472	4700PF	100V	MYLAR	
	C852	QETB1JM-227	220MF	63V	ELECTRO	C
	C852	QETB1EM-227	220MF	25V	ELECTRO	D
	C852	QETB1EM-227	220MF	25V	ELECTRO	E
	C852	QETB1EM-227	220MF	25V	ELECTRO	FBS
	C852	QETB1EM-227	220MF	25V	ELECTRO	G
	C854	QCF21HP-472	4700PF	50V	CERAMIC	C
	C855	QETB1CM-476	47MF	16V	ELECTRO	
	C856	QCF21HP-472	4700PF	50V	CERAMIC	
	C901	QCF21HP-223	0.022MF	50V	CERAMIC	
	C902	QCF21HP-223	0.022MF	50V	CERAMIC	
	C903	QETB1HM-226	22MF	50V	ELECTRO	
	C904	QFLB1HJ-223	0.022MF	50V	MYLAR	
	C905	QCY21HK-102	1000PF	50V	CERAMIC	
	C906	QETB1AM-476	47MF	10V	ELECTRO	
	C909	QETB1CM-226	22MF	16V	ELECTRO	
	C910	QETB1HM-225	2.2MF	50V	ELECTRO	
	C961	QFLB1HJ-473	0.047MF	50V	MYLAR	G
	C962	QFLB1HJ-473	0.047MF	50V	MYLAR	G
	C963	QFLB1HJ-473	0.047MF	50V	MYLAR	G
	C964	QFLB1HJ-473	0.047MF	50V	MYLAR	G
	C965	QCS21HJ-101	100PF	50V	CERAMIC	G
	C966	QCS21HJ-471	470PF	50V	CERAMIC	G
	C967	QCS21HJ-151	150PF	50V	CERAMIC	G
	C968	QCS21HJ-471	470PF	50V	CERAMIC	G
	C969	QCS21HJ-471	470PF	50V	CERAMIC	G
	C970	QCS21HJ-391	390PF	50V	CERAMIC	G
	C971	QCS21HJ-471	470PF	50V	CERAMIC	G
	C972	QCS21HJ-471	470PF	50V	CERAMIC	G
	C991	QCF21HP-103	0.01MF	50V	CERAMIC	G

RESISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R301	QRD167J-222	2.2K	1/6W	CARBON	
	R302	QRD167J-222	2.2K	1/6W	CARBON	
	R303	QRD167J-473	47K	1/6W	CARBON	
	R304	QRD167J-473	47K	1/6W	CARBON	
	R305	QRD167J-621	620	1/6W	CARBON	
	R306	QRD167J-621	620	1/6W	CARBON	
	R307	QRD167J-393	39K	1/6W	CARBON	
	R308	QRD167J-393	39K	1/6W	CARBON	
	R309	QRD167J-474	470K	1/6W	CARBON	
	R310	QRD167J-474	470K	1/6W	CARBON	
	R311	QRD167J-104	100K	1/6W	CARBON	
	R312	QRD167J-104	100K	1/6W	CARBON	
⚠	R313	QRD14CJ-391S	390	1/4W	UNF.CARBON	
⚠	R314	QRD14CJ-391S	390	1/4W	UNF.CARBON	
⚠	R321	QRZ0077-470	47	1/4W	FUSIBLE	
⚠	R322	QRZ0077-470	47	1/4W	FUSIBLE	
	R329	QRD167J-152	1.5K	1/6W	CARBON	
	R330	QRD167J-152	1.5K	1/6W	CARBON	
	R331	QRD167J-103	10K	1/6W	CARBON	
	R332	QRD167J-103	10K	1/6W	CARBON	
	R335	QRD167J-303	30K	1/6W	CARBON	
	R336	QRD167J-333	33K	1/6W	CARBON	
	R337	QRD167J-273	27K	1/6W	CARBON	
	R338	QRD167J-474	470K	1/6W	CARBON	
	R339	QRD167J-303	30K	1/6W	CARBON	
	R341	QRD167J-303	30K	1/6W	CARBON	
	R342	QRD167J-334	330K	1/6W	CARBON	
	R344	QRD167J-334	330K	1/6W	CARBON	
	R345	QRD167J-273	27K	1/6W	CARBON	
	R346	QRD167J-303	30K	1/6W	CARBON	
	R347	QRD167J-273	27K	1/6W	CARBON	
	R348	QRD167J-334	330K	1/6W	CARBON	
	R349	QRD167J-682	6.8K	1/6W	CARBON	
	R350	QRD167J-334	330K	1/6W	CARBON	
	R351	QRD167J-332	3.3K	1/6W	CARBON	
	R354	QRD167J-473	47K	1/6W	CARBON	
	R355	QRD167J-104	100K	1/6W	CARBON	
	R356	QRD167J-104	100K	1/6W	CARBON	
	R359	QRD167J-564	560K	1/6W	CARBON	
⚠	R361	QRZ0077-680	68	1/4W	FUSIBLE	
⚠	R362	QRZ0077-680	68	1/4W	FUSIBLE	
	R381	QRD167J-471	470	1/6W	CARBON	
	R382	QRD167J-471	470	1/6W	CARBON	
	R383	QRD167J-471	470	1/6W	CARBON	
	R384	QRD167J-471	470	1/6W	CARBON	
	R385	QRD167J-471	470	1/6W	CARBON	C
	R385	QRD167J-471	470	1/6W	CARBON	D
	R385	QRD167J-471	470	1/6W	CARBON	E
	R385	QRD167J-471	470	1/6W	CARBON	FBS
	R385	QRD167J-222	2.2K	1/6W	CARBON	G
	R386	QRD167J-471	470	1/6W	CARBON	C
	R386	QRD167J-471	470	1/6W	CARBON	D
	R386	QRD167J-471	470	1/6W	CARBON	E
	R386	QRD167J-471	470	1/6W	CARBON	FBS
	R386	QRD167J-222	2.2K	1/6W	CARBON	G

⚠ : SAFETY PARTS

(-308BK

RESISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R387	QRD167J-471	470	1/6W	CARBON	C
	R387	QRD167J-471	470	1/6W	CARBON	D
	R387	QRD167J-471	470	1/6W	CARBON	E
	R387	QRD167J-471	470	1/6W	CARBON	FBS
	R387	QRD167J-222	2.2K	1/6W	CARBON	G
	R388	QRD167J-471	470	1/6W	CARBON	C
	R388	QRD167J-471	470	1/6W	CARBON	D
	R388	QRD167J-471	470	1/6W	CARBON	E
	R388	QRD167J-471	470	1/6W	CARBON	FBS
	R388	QRD167J-222	2.2K	1/6W	CARBON	G
	R389	QRD167J-471	470	1/6W	CARBON	
	R390	QRD167J-471	470	1/6W	CARBON	
	R391	QRD167J-105	1M	1/6W	CARBON	
	R392	QRD167J-105	1M	1/6W	CARBON	
	R393	QRD167J-103	10K	1/6W	CARBON	
	R394	QRD167J-103	10K	1/6W	CARBON	
	R405	QRD167J-512	5.1K	1/6W	CARBON	
	R406	QRD167J-512	5.1K	1/6W	CARBON	
	R408	QRD167J-103	10K	1/6W	CARBON	
	R409	QRD167J-103	10K	1/6W	CARBON	
	R410	QRD167J-102	1K	1/6W	CARBON	
	R701	QRD167J-222	2.2K	1/6W	CARBON	
	R702	QRD167J-222	2.2K	1/6W	CARBON	
	R703	QRD167J-104	100K	1/6W	CARBON	
	R704	QRD167J-104	100K	1/6W	CARBON	
	R705	QRD167J-472	4.7K	1/6W	CARBON	
	R706	QRD167J-472	4.7K	1/6W	CARBON	
⚠	R707	QRD14CJ-820S	82	1/4W	UNF.CARBON	
⚠	R708	QRD14CJ-820S	82	1/4W	UNF.CARBON	
⚠	R709	QRZ0077-820	82	1/4W	FUSIBLE	
⚠	R710	QRZ0077-820	82	1/4W	FUSIBLE	
	R711	QRD167J-470	47	1/6W	CARBON	
	R712	QRD167J-470	47	1/6W	CARBON	
	R713	QRD167J-243	24K	1/6W	CARBON	
	R714	QRD167J-243	24K	1/6W	CARBON	
	R715	QRD167J-243	24K	1/6W	CARBON	
	R716	QRD167J-243	24K	1/6W	CARBON	
	R717	QRD167J-302	3K	1/6W	CARBON	
	R718	QRD167J-302	3K	1/6W	CARBON	
	R719	QRD167J-133	13K	1/6W	CARBON	
	R720	QRD167J-133	13K	1/6W	CARBON	
	R721	QRD167J-243	24K	1/6W	CARBON	
	R722	QRD167J-243	24K	1/6W	CARBON	
	R723	QRD167J-821	820	1/6W	CARBON	C
	R723	QRD167J-751	750	1/6W	CARBON	D
	R723	QRD167J-751	750	1/6W	CARBON	E
	R723	QRD167J-751	750	1/6W	CARBON	FBS
	R723	QRD167J-751	750	1/6W	CARBON	G
	R724	QRD167J-821	820	1/6W	CARBON	C
	R724	QRD167J-751	750	1/6W	CARBON	D
	R724	QRD167J-751	750	1/6W	CARBON	E
	R724	QRD167J-751	750	1/6W	CARBON	FBS
	R724	QRD167J-751	750	1/6W	CARBON	G
	R725	QRD167J-202	2K	1/6W	CARBON	
	R726	QRD167J-273	27K	1/6W	CARBON	
	R727	QRD167J-222	2.2K	1/6W	CARBON	
	R728	QRD167J-222	2.2K	1/6W	CARBON	
	R729	QRD167J-102	1K	1/6W	CARBON	
	R731	QRD167J-823	82K	1/6W	CARBON	
	R732	QRD167J-823	82K	1/6W	CARBON	
	R751	QVPA601-501A	500		VARIABLE	
	R752	QVPA601-501A	500		VARIABLE	
	R753	QRD167J-152	1.5K	1/6W	CARBON	
	R754	QRD167J-152	1.5K	1/6W	CARBON	
	R755	QRD167J-391	390	1/6W	CARBON	
	R756	QRD167J-391	390	1/6W	CARBON	
	R757	ERT-D2WHL202S	2K	1/4W	THERMISTOR	
	R758	ERT-D2WHL202S	2K	1/4W	THERMISTOR	
⚠	R759	QRD14CJ-100S	10	1/4W	UNF.CARBON	
⚠	R760	QRD14CJ-100S	10	1/4W	UNF.CARBON	
⚠	R761	QRD14CJ-100S	10	1/4W	UNF.CARBON	
⚠	R762	QRD14CJ-100S	10	1/4W	UNF.CARBON	
	R767	QRD167J-820	82	1/6W	CARBON	
	R768	QRD167J-820	82	1/6W	CARBON	
	R769	QRD167J-820	82	1/6W	CARBON	
	R770	QRD167J-820	82	1/6W	CARBON	
	R771	QRD167J-151	150	1/6W	CARBON	
	R772	QRD167J-151	150	1/6W	CARBON	
	R773	QRD167J-151	150	1/6W	CARBON	
	R774	QRD167J-151	150	1/6W	CARBON	
⚠	R783	QRD14CJ-272S	2.7K	1/4W	UNF.CARBON	
⚠	R784	QRD14CJ-272S	2.7K	1/4W	UNF.CARBON	
⚠	R785	QRD14CJ-271S	270	1/4W	UNF.CARBON	
⚠	R786	QRD14CJ-271S	270	1/4W	UNF.CARBON	
⚠	R787	ERF032K-R22	0.22	3W	CEMENT	
⚠	R788	ERF032K-R22	0.22	3W	CEMENT	
⚠	R789	QRZ0077-100	10	1/4W	FUSIBLE	
⚠	R790	QRZ0077-100	10	1/4W	FUSIBLE	
⚠	R791	QRZ0077-100	10	1/4W	FUSIBLE	
⚠	R792	QRZ0077-100	10	1/4W	FUSIBLE	
⚠	R793	QRD125J-330	33	1/2W	UNF.CARBON	
⚠	R794	QRD125J-330	33	1/2W	UNF.CARBON	
⚠	R795	QRG022J-100A	10	2W	O.M.FILM	
⚠	R796	QRG022J-100A	10	2W	O.M.FILM	
⚠	R797	QRZ0077-330	33	1/4W	FUSIBLE	

⚠ :SAFETY PARTS

RESISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R798	QRZ0077-330	33	1/4W	FUSIBLE	
⚠	R802	QRG022J-821AM	820	2W	O.M.FILM	C
⚠	R802	QRG022J-121A	120	2W	O.M.FILM	D
⚠	R802	QRG022J-121A	120	2W	O.M.FILM	E
⚠	R802	QRG022J-121A	120	2W	O.M.FILM	FBS
⚠	R802	QRG022J-121A	120	2W	O.M.FILM	G
⚠	R803	QRG022J-102AF	1K	2W	O.M.FILM	C
⚠	R804	QRD125J-562	5.6K	1/2W	UNF.CARBON	C
⚠	R804	QRD125J-472	4.7K	1/2W	UNF.CARBON	D
⚠	R804	QRD125J-472	4.7K	1/2W	UNF.CARBON	E
⚠	R804	QRD125J-472	4.7K	1/2W	UNF.CARBON	FBS
⚠	R804	QRD125J-472	4.7K	1/2W	UNF.CARBON	G
⚠	R805	QRD125J-472	4.7K	1/2W	UNF.CARBON	C
⚠	R805	QRD125J-392	3.9K	1/2W	UNF.CARBON	D
⚠	R805	QRD125J-392	3.9K	1/2W	UNF.CARBON	E
⚠	R805	QRD125J-392	3.9K	1/2W	UNF.CARBON	FBS
⚠	R805	QRD125J-392	3.9K	1/2W	UNF.CARBON	G
⚠	R806	QRZ0077-121	120	1/4W	FUSIBLE	
⚠	R808	QRG022J-561A	560	2W	O.M.FILM	C
⚠	R808	QRG022J-181A	180	2W	O.M.FILM	D
⚠	R808	QRG022J-181A	180	2W	O.M.FILM	E
⚠	R808	QRG022J-181A	180	2W	O.M.FILM	FBS
⚠	R808	QRG022J-181A	180	2W	O.M.FILM	G
⚠	R809	QRG022J-561A	560	2W	O.M.FILM	C
⚠	R809	QRG022J-181A	180	2W	O.M.FILM	D
⚠	R809	QRG022J-181A	180	2W	O.M.FILM	E
⚠	R809	QRG022J-181A	180	2W	O.M.FILM	FBS
⚠	R809	QRG022J-181A	180	2W	O.M.FILM	G
⚠	R810	QRG022J-561A	560	2W	O.M.FILM	C
⚠	R811	QRD125J-822	8.2K	1/2W	UNF.CARBON	C
⚠	R811	QRD125J-472	4.7K	1/2W	UNF.CARBON	D
⚠	R811	QRD125J-472	4.7K	1/2W	UNF.CARBON	E
⚠	R811	QRD125J-472	4.7K	1/2W	UNF.CARBON	FBS
⚠	R811	QRD125J-472	4.7K	1/2W	UNF.CARBON	G
⚠	R812	QRD125J-180	18	1/2W	UNF.CARBON	C
⚠	R813	QRG022J-101A	100	2W	O.M.FILM	
⚠	R814	QRZ0077-220	22	1/4W	FUSIBLE	
⚠	R815	QRD125J-822	8.2K	1/2W	UNF.CARBON	
⚠	R817	QRG022J-471A	470	2W	O.M.FILM	C
⚠	R817	QRG022J-101A	100	2W	O.M.FILM	D
⚠	R817	QRG022J-101A	100	2W	O.M.FILM	E
⚠	R817	QRG022J-101A	100	2W	O.M.FILM	FBS
⚠	R817	QRG022J-101A	100	2W	O.M.FILM	G
⚠	R819	QRZ0077-470	47	1/4W	FUSIBLE	
⚠	R820	QRD125J-822	8.2K	1/2W	UNF.CARBON	C
⚠	R820	QRD125J-682	6.8K	1/2W	UNF.CARBON	D
⚠	R820	QRD125J-682	6.8K	1/2W	UNF.CARBON	E
⚠	R820	QRD125J-682	6.8K	1/2W	UNF.CARBON	FBS
⚠	R820	QRD125J-682	6.8K	1/2W	UNF.CARBON	G
⚠	R821	QRX022J-2R2A	2.2	2W	M.FILM	
⚠	R822	QRX022J-2R2A	2.2	2W	M.FILM	
	R841	QRD167J-104	100K	1/6W	CARBON	
	R842	QRD167J-104	100K	1/6W	CARBON	
⚠	R843	QRD125J-2R2	2.2	1/2W	UNF.CARBON	
⚠	R844	QRD125J-2R2	2.2	1/2W	UNF.CARBON	
⚠	R861	QRZ0076-3R3	3.3	1/4W	FUSIBLE	C
⚠	R861	QRZ0077-220	22	1/4W	FUSIBLE	D
⚠	R861	QRZ0077-270	27	1/4W	FUSIBLE	E
⚠	R861	QRZ0077-270	27	1/4W	FUSIBLE	FBS
⚠	R861	QRZ0077-220	22	1/4W	FUSIBLE	G
	R863	QRD167J-821	820	1/6W	CARBON	C
⚠	R863	QRV144F-8200		1/4W	M.FILM	D
⚠	R863	QRV144F-8200		1/4W	M.FILM	E
⚠	R863	QRV144F-9100		1/4W	M.FILM	FBS
⚠	R863	QRV144F-8200		1/4W	M.FILM	G
⚠	R864	QRG012J-332A	3.3K	1W	O.M.FILM	C
	R865	QRD167J-200	20	1/6W	CARBON	E
	R865	QRD167J-200	20	1/6W	CARBON	FBS
	R901	QRD167J-681	680	1/6W	CARBON	
	R902	QRD167J-681	680	1/6W	CARBON	
	R903	QRD167J-562	5.6K	1/6W	CARBON	
	R904	QRD167J-562	5.6K	1/6W	CARBON	
	R905	QRD167J-123	12K	1/6W	CARBON	
	R906	QRD167J-123	12K	1/6W	CARBON	
	R907	QRD167J-152	1.5K	1/6W	CARBON	
	R908	QRD167J-152	1.5K	1/6W	CARBON	
	R909	QRD167J-103	10K	1/6W	CARBON	
	R911	QRD167J-332	3.3K	1/6W	CARBON	
	R912	QRD167J-473	47K	1/6W	CARBON	
	R913	QRD167J-104	100K	1/6W	CARBON	
	R914	QRD167J-823	82K	1/6W	CARBON	
	R915	QRD167J-473	47K	1/6W	CARBON	
	R916	QRD167J-563	56K	1/6W	CARBON	
	R917	QRD167J-683	68K	1/6W	CARBON	
	R918	QRD167J-392	3.9K	1/6W	CARBON	
	R921	QRD167J-224	220K	1/6W	CARBON	
	R922	QRD167J-182	1.8K	1/6W	CARBON	
⚠	R924	QRG022J-122A	1.2K	2W	O.M.FILM	C
⚠	R924	QRG022J-821AM	820	2W	O.M.FILM	D
⚠	R924	QRG022J-821AM	820	2W	O.M.FILM	E
⚠	R924	QRG022J-821AM	820	2W	O.M.FILM	FBS
⚠	R924	QRG022J-821AM	820	2W	O.M.FILM	G
	R925	QRD167J-750	75	1/6W	CARBON	C
⚠	R931	QRD14CJ-330S	33	1/4W	UNF.CARBON	
	R935	QRD167J-562	5.6K	1/6W	CARBON	

⚠ :SAFETY PARTS

RESISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R936	QRD167J-822	8.2K 1/6W CARBON	
	R937	QRD167J-103	10K 1/6W CARBON	
⚠	R941	QRG022J-471A	470 2W O.M.FILM	
⚠	R942	QRG022J-471A	470 2W O.M.FILM	
⚠	R961	QRZ0077-100	10 1/4W FUSIBLE	G
⚠	R962	QRZ0077-100	10 1/4W FUSIBLE	G
⚠	R963	QRZ0077-100	10 1/4W FUSIBLE	G
⚠	R964	QRZ0077-100	10 1/4W FUSIBLE	G

OTHERS

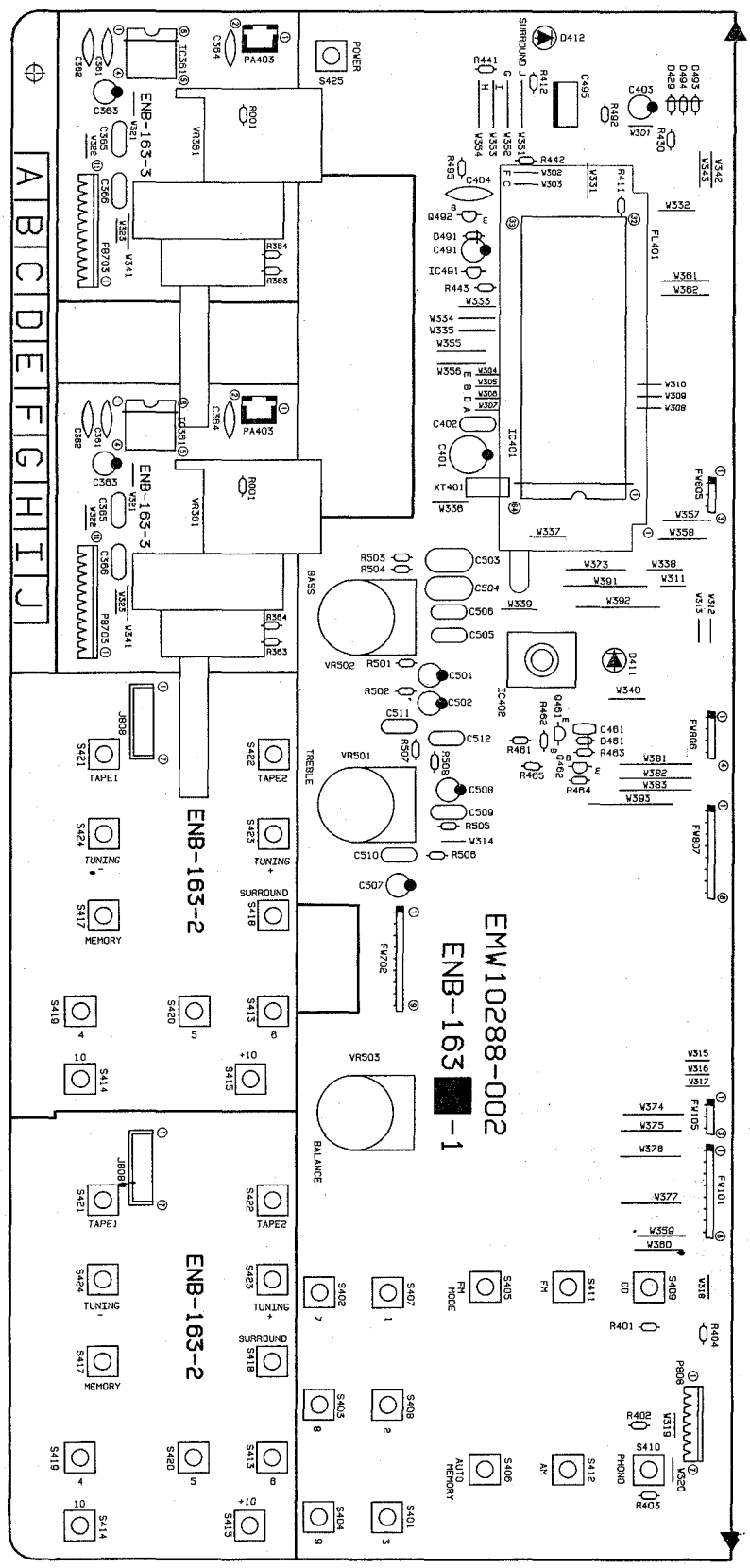
⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		ｸﾘｽ		
		ｾｯﾁﾔｸｻﾞｲ		
		E307874-001SM	HEAT SINK BRACKET	
		E307874-002SM	HEAT SINK BRACKET	
		E308271-003	HEAT SINK	
		E65508-002	TAB	
		E70306-001	HEAT SINK	
		E73525-003	SCREW	
		GBSG3008CC	SCREW	
		SBSG3008CC	SCREW	
		SBSG3010CC	SCREW	
		E70945-H40B	HEAT SINK	C
⚠		QSR0085-018	VOLTAGE SELECTOR	C
		SBST3008CC	SCREW	C
		VMZ0087-001	FUSE CLIP	C
		E67132-T2R0	FUSE LABEL	D
		VMZ0087-001	FUSE CLIP	D
		E67132-T2R0	FUSE LABEL	E
		VMZ0087-001	FUSE CLIP	E
		E67132-T2R0	FUSE LABEL	FBS
		VMZ0087-001	FUSE CLIP	FBS
		E67132-T2R0	FUSE LABEL	G
		VMZ0087-001	FUSE CLIP	G
	J001	EMV5137-002	PLUG ASSY (2PIN FUSE)	C
	J002	EMV5137-002	PLUG ASSY (2PIN FUSE)	D
	J002	EMV5137-002	PLUG ASSY (2PIN FUSE)	E
	J002	EMV5137-002	PLUG ASSY (2PIN FUSE)	FBS
	J002	EMV5137-002	PLUG ASSY (2PIN FUSE)	G
	J003	E70225-001	EARTH PLATE	
	J004	QMCA002-E01S	AC OUTLET	C
	J301	EMN00TV-414AJ2	4P PIN JACK (PHONO/CD)	
	J302	EMN00TV-413AJ2	4P PIN JACK (TAPE 1)	
	J303	EMN00TV-413AJ2	4P PIN JACK (TAPE 2)	
	J901	QMS6A40-021	HEADPHONE JACK	
	L331	EQL4007-220	INDUCTOR	
	L751	EQL0101-1R2	INDUCTOR	
	L752	EQL0101-1R2	INDUCTOR	
	L961	EQL0001-R45	INDUCTOR	G
	L962	EQL0001-R45	INDUCTOR	G
	P805	EMV7122-103	CONNECTOR (3PIN AC CONTROL)	
	P806	EMV7122-004	CONNECTOR (4PIN FL POWER)	
⚠	T002	ETP1000-41ZB	POWER TRANSFORMER	C
⚠	T002	ETP1000-41EA	POWER TRANSFORMER	D
⚠	T002	ETP1000-41EA	POWER TRANSFORMER	E
⚠	T002	ETP1000-41EABS	POWER TRANSFORMER	FBS
⚠	T002	ETP1000-41EA	POWER TRANSFORMER	G
	EP801	E70859-001	EARTH PLATE	
	EP802	E70859-001	EARTH PLATE	G
	EP803	E70225-001	EARTH PLATE	G
	FW103	EWR36B-25KST	FLAT WIRE (6PIN TUNER AUDIO)	
	FW801	EWR36E-25SST	FLAT WIRE (6PIN POWER SECONDARY)	
	FW902	EWR35E-40SST	FLAT WIRE (5PIN SPEAKER SWITCH)	
	FW903	EWR36E-55SST	FLAT WIRE (6PIN SPEAKER TERMINAL)	
	JT001	EMV7122-004	CONNECTOR (4PIN P702)	
	JT002	EMV7122-005	CONNECTOR (5PIN P702)	
	JT003	EMV7122-004	CONNECTOR (4PIN P807)	
	JT004	EMV7122-004	CONNECTOR (4PIN P807)	
	PA703	EMV5109-011A	PLUG ASSY (11PIN TO VOLUME PCB)	
	PB403	EMV5103-002B	PLUG ASSY (2PIN VOLUME LED)	
	RY001	ESK1D12-118J1	RELAY	C
	RY001	ESK1D12-118J1	RELAY	D
	RY001	ESK1D12-118J1	RELAY	E
	RY001	ESK1D12-118J1BS	RELAY	FBS
	RY001	ESK1D12-118J1	RELAY	G
	RY901	ESK7D24-2120	RELAY	
	ST901	EMB90TV-801A	SPEAKER TERMINAL	
	SW901	QST4241-E05J2	PUSH SWITCH (SPEAKER 1)	

⚠ : SAFETY PARTS

■ENB-163 □ Front, Tone control & Volume PC Board

Note : ENB-163 □ varies according to the areas employed. See note (1) when placing an order.

※ All printed circuit board assemblies are not arailable as service parts.



Note (1)

PC Board Ass'y	Designated Areas
ENB-163 [D]	Australia
ENB-163 [B]	Universal Type Taiwan
ENB-163 [C]	Continental Europe Scandinavia
ENB-163 [E]	the U.K.
ENB-163 [F]	Germany

TRANSISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	Q461	2SC1740S(R,S)	SILICON ROHM	
	Q462	2SC1740S(R,S)	SILICON ROHM	
	Q492	DTC114YS	SILICON ROHM	

I. C. S.

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC361	LB1639-CV	I.C. SANYO	
	IC401	MN171202JPY1	I.C. MATSUSHITA	
	IC402	NJH32H380A	I.C. DAINICHI	
	IC491	MN1281(P,Q)	I.C. MATSUSHITA	

DIODES

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D411	SLR-54VC50F124	L.E.D. ROHM	B
	D411	SLR-54VC50F124	L.E.D. ROHM	C
	D411	SLR-54VC50F124	L.E.D. ROHM	D
	D411	SLA-580LT70F124	L.E.D. ROHM	E
	D411	SLR-54VC50F124	L.E.D. ROHM	F
	D412	SLR-34DC50F124	L.E.D. ROHM	
	D429	1SS133	SILICON ROHM	
	D461	1SS133	SILICON ROHM	
	D491	1SS133	SILICON ROHM	
	D493	1SS133	SILICON ROHM	
	D494	1SS133	SILICON ROHM	

CAPACITORS

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C361	QCY21HK-331	330PF 50V CERAMIC	
	C362	QCY21HK-331	330PF 50V CERAMIC	
	C363	QETBOJM-107	100MF 6.3V ELECTRO	
	C364	QCF21HP-473	0.047MF 50V CERAMIC	
	C365	QFLB1HJ-104	0.1MF 50V MYLAR	
	C366	QFLB1HJ-104	0.1MF 50V MYLAR	
	C401	QEK51AM-227	220MF 10V ELECTRO	
	C402	QCZ0202-155	1.5MF 25V CERAMIC	
	C403	QEK51HM-475	4.7MF 50V ELECTRO	
	C404	QCY21HK-102	1000PF 50V CERAMIC	
	C491	QER51HM-225G	2.2MF 50V ELECTRO	
	C495	QEADOHZ-479A	47000MF ELECTRO	
	C501	QEK51HM-105G	1MF 50V ELECTRO	
	C502	QEK51HM-105G	1MF 50V ELECTRO	
	C503	QFLB1HJ-823	0.082MF 50V MYLAR	
	C504	QFLB1HJ-823	0.082MF 50V MYLAR	
	C505	QFLB1HJ-153	0.015MF 50V MYLAR	
	C506	QFLB1HJ-153	0.015MF 50V MYLAR	
	C507	QETB1HM-105	1MF 50V ELECTRO	
	C508	QETB1HM-105	1MF 50V ELECTRO	
	C509	QFLB1HJ-332	3300PF 50V MYLAR	
	C510	QFLB1HJ-332	3300PF 50V MYLAR	
	C511	QFLB1HJ-183	0.018MF 50V MYLAR	
	C512	QFLB1HJ-183	0.018MF 50V MYLAR	

⚠ : SAFETY PARTS

RESISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R001	QRD167J-104	100K 1/6W CARBON	
	R363	QRD167J-682	6.8K 1/6W CARBON	
	R364	QRD167J-682	6.8K 1/6W CARBON	
	R401	QRD167J-104	100K 1/6W CARBON	
	R402	QRD167J-104	100K 1/6W CARBON	
	R403	QRD167J-104	100K 1/6W CARBON	
	R404	QRD167J-104	100K 1/6W CARBON	
	R411	QRD161J-221	220 1/6W CARBON	
	R412	QRD161J-221	220 1/6W CARBON	
	R430	QRD167J-3R9	3.9 1/6W CARBON	
	R441	QRD167J-473	47K 1/6W CARBON	
	R442	QRD167J-473	47K 1/6W CARBON	B
	R443	QRD167J-473	47K 1/6W CARBON	
	R461	QRD167J-103	10K 1/6W CARBON	
	R462	QRD167J-223	22K 1/6W CARBON	
	R463	QRD167J-473	47K 1/6W CARBON	
	R464	QRD167J-471	470 1/6W CARBON	
	R465	QRD167J-103	10K 1/6W CARBON	
	R492	QRD167J-331	330 1/6W CARBON	
	R495	QRD167J-473	47K 1/6W CARBON	
	R501	QRD167J-203	20K 1/6W CARBON	
	R502	QRD167J-203	20K 1/6W CARBON	
	R503	QRD167J-362	3.6K 1/6W CARBON	
	R504	QRD167J-362	3.6K 1/6W CARBON	
	R505	QRD167J-472	4.7K 1/6W CARBON	
	R506	QRD167J-472	4.7K 1/6W CARBON	
	R507	QRD167J-821	820 1/6W CARBON	
	R508	QRD167J-821	820 1/6W CARBON	
	VR361	QVDB91B-E15F	100K VARIABLE	
	VR501	QVDB92C-E15CJ3	100K VARIABLE	
	VR502	QVDB92C-E15CJ3	100K VARIABLE	
	VR503	QVDA92W-E15EJ3	100K VARIABLE	

OTHERS

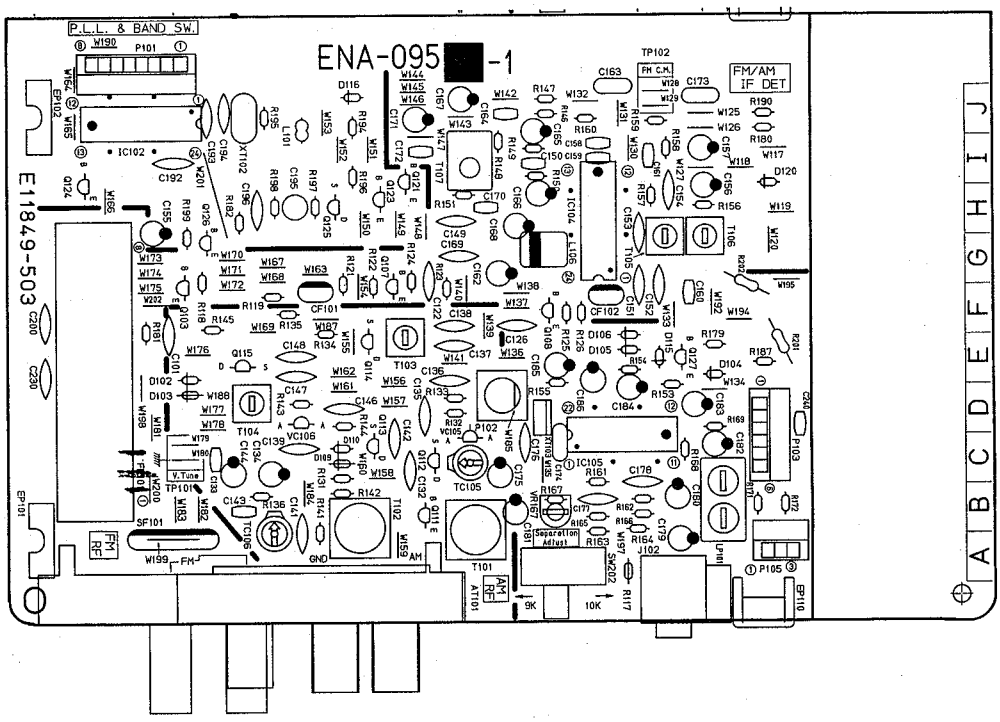
⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E308270-001	FL HOLDER	
		E3400-444	FELT SPACER	
	J808	EMV5109-007A	PLUG ASSY(7PIN KEY MATRIX)	
	P808	EWS267-G416J2	SOCKET WIRE(7PIN FRONT PCB)	
	S401	ESP0001-023M	TACT SWITCH(3)	
	S402	ESP0001-023M	TACT SWITCH(7)	
	S403	ESP0001-023M	TACT SWITCH(8)	
	S404	ESP0001-023M	TACT SWITCH(9)	
	S405	ESP0001-023M	TACT SWITCH(FM MODE)	
	S406	ESP0001-023M	TACT SWITCH(AUTO MEMORY)	
	S407	ESP0001-023M	TACT SWITCH(1)	
	S408	ESP0001-023M	TACT SWITCH(2)	
	S409	ESP0001-023M	TACT SWITCH(CD)	
	S410	ESP0001-023M	TACT SWITCH(PHONO)	
	S411	ESP0001-023M	TACT SWITCH(FM)	
	S412	ESP0001-023M	TACT SWITCH(AM)	
	S413	ESP0001-023M	TACT SWITCH(6)	
	S414	ESP0001-023M	TACT SWITCH(10)	
	S415	ESP0001-023M	TACT SWITCH(+10)	
	S417	ESP0001-023M	TACT SWITCH(MEMORY)	
	S418	ESP0001-023M	TACT SWITCH(SURROUND)	
	S419	ESP0001-023M	TACT SWITCH(4)	
	S420	ESP0001-023M	TACT SWITCH(5)	
	S421	ESP0001-023M	TACT SWITCH(TAPE 1)	
	S422	ESP0001-023M	TACT SWITCH(TAPE 2 MONITOR)	
	S423	ESP0001-023M	TACT SWITCH(F.UP)	
	S424	ESP0001-023M	TACT SWITCH(F.DOWN)	
	S425	ESP0001-023M	TACT SWITCH(POWER)	
	FL401	ELU0001-143	FL TUBE	
	FW101	EWR38B-40KST	FLAT WIRE(8PIN) TUNER CONTROL	
	FW105	EWR33B-35KST	FLAT WIRE(3PIN) CHANNEL SPACE	B
	FW702	EWR39B-35LST	FLAT WIRE(9PIN) TONE CONTROL	
	FW805	EWR33B-30LST	FLAT WIRE(3PIN) AC CONTROL	
	FW806	EWR34B-35LST	FLAT WIRE(4PIN) FILAMENT	
	FW807	EWR38B-35LST	FLAT WIRE(8PIN) TO SOURCE SELECTOR	
	PA403	EMV5103-002A	PLUG ASSY	
	PB703	EWS29B-1734	SOCKET WIRE(2PIN) VOLUME INDICATOR	
	XT401	ECX0060-000EM	RESONATOR(11PIN) VOLUME	

⚠ : SAFETY PARTS

■ENA-095 □ Tuner PC Board Ass'y

Note : ENA-095 □ varies according to the areas employed. See note (1) when placing an order.

※ All printed circuit board assemblies are not arailable as service parts.



Note (1)

PC Board Ass'y	Designated Areas
ENA-095 J	Australia
ENA-095 I	Universal Type Taiwan
ENA-095 K	Continental Europe Scandinavia the U.K.
ENA-095 N	Germany

I. C. S.

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	IC102	LC7218	I.C. SANYO	
	IC104	LA1266A	I.C. SANYO	
	IC105	LA3401	I.C. SANYO	

TRANSISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	Q103	2SC461(B,C)	SILICON HITACHI	
	Q107	2SC535(B,C)	SILICON HITACHI	
	Q108	2SC461(B,C)	SILICON HITACHI	
	Q111	2SD1302(S,T)	SILICON MATSUSHITA	K
	Q111	2SD1302(S,T)	SILICON MATSUSHITA	N
	Q112	2SK301(Q,R)	F.E.T MATSUSHITA	
	Q113	2SK301(Q,R)	F.E.T MATSUSHITA	K
	Q113	2SK301(Q,R)	F.E.T MATSUSHITA	N
	Q114	2SK301(P,Q)	F.E.T MATSUSHITA	K
	Q114	2SK301(P,Q)	F.E.T MATSUSHITA	N
	Q115	2SK301(P,Q)	F.E.T MATSUSHITA	K
	Q115	2SK301(P,Q)	F.E.T MATSUSHITA	N
	Q121	AN1A4P	SILICON NEC	K
	Q121	AN1A4P	SILICON NEC	N
	Q123	AN1A4P	SILICON NEC	
	Q124	AN1A4P	SILICON NEC	
	Q125	2SK301(Q2)	F.E.T MATSUSHITA	
	Q126	2SC458(D)	SILICON HITACHI	
	Q127	AA1L4M	SILICON NEC	

⚠ : SAFETY PARTS

DIODES

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	D102	1SS119	SILICON HITACHI	K
	D102	1SS119	SILICON HITACHI	N
	D103	1SS119	SILICON HITACHI	K
	D103	1SS119	SILICON HITACHI	N
	D104	1SS119	SILICON HITACHI	
	D105	1SS119	SILICON HITACHI	
	D106	1SS119	SILICON HITACHI	
	D109	1SS119	SILICON HITACHI	K
	D109	1SS119	SILICON HITACHI	N
	D110	1SS119	SILICON HITACHI	K
	D110	1SS119	SILICON HITACHI	N
	D115	1SS119	SILICON HITACHI	
	D116	1SS119	SILICON HITACHI	
	D120	1SS119	SILICON HITACHI	
	VC105	SVC342(L)	VARICAP SANYO	
	VC106	SVC342(L)	VARICAP SANYO	K
	VC106	SVC342(L)	VARICAP SANYO	N

⚠ : SAFETY PARTS

CAPACITORS

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C101	QCF21HP-223	0.022MF 50V CERAMIC	
	C122	QCF21HP-223	0.022MF 50V CERAMIC	
	C126	QCF21HP-223	0.022MF 50V CERAMIC	
	C132	QCS21HJ-561	560PF 50V CERAMIC	
	C133	QCHB1EZ-223	0.022MF 25V CERAMIC	
	C134	QETB1EM-106	10MF 25V ELECTRO	
	C135	QCC21EM-223	0.022MF 25V CERAMIC	
	C136	QCT26CH-180	18PF 50V CERAMIC	
	C137	QCT26CH-221	220PF 50V CERAMIC	
	C138	QCT26CH-241	240PF 50V CERAMIC	
	C139	QCC21EM-223	0.022MF 25V CERAMIC	K
	C139	QCC21EM-223	0.022MF 25V CERAMIC	N
	C141	QCS21HJ-270	27PF 50V CERAMIC	K
	C141	QCS21HJ-270	27PF 50V CERAMIC	N
	C142	QCY21HK-272	2700PF 50V CERAMIC	K
	C142	QCY21HK-272	2700PF 50V CERAMIC	N
	C143	QCHB1EZ-223	0.022MF 25V CERAMIC	K
	C143	QCHB1EZ-223	0.022MF 25V CERAMIC	N
	C144	QETB1EM-106	10MF 25V ELECTRO	K
	C144	QETB1EM-106	10MF 25V ELECTRO	N
	C146	QCT26CH-680	68PF 50V CERAMIC	K
	C146	QCT26CH-680	68PF 50V CERAMIC	N
	C147	QCT26CH-220	22PF 50V CERAMIC	K
	C147	QCT26CH-220	22PF 50V CERAMIC	N
	C148	QCT26CH-121	120PF 50V CERAMIC	K
	C148	QCT26CH-121	120PF 50V CERAMIC	N
	C149	QCF21HP-223	0.022MF 50V CERAMIC	
	C150	QCHB1EZ-223	0.022MF 25V CERAMIC	
	C151	QCF21HP-223	0.022MF 50V CERAMIC	
	C152	QCF21HP-223	0.022MF 50V CERAMIC	
	C153	QCC21EM-223	0.022MF 25V CERAMIC	
	C154	QCF21HP-223	0.022MF 50V CERAMIC	
	C155	QETB1EM-226	22MF 25V ELECTRO	
	C156	QETB1HM-475	4.7MF 50V ELECTRO	
	C157	QETB1HM-474	0.47MF 50V ELECTRO	
	C158	QCBB1HK-101	100PF 50V CERAMIC	
	C159	QCBB1HK-101	100PF 50V CERAMIC	
	C160	QCBB1HK-221	220PF 50V CERAMIC	I
	C160	QCBB1HK-221	220PF 50V CERAMIC	J
	C160	QCBB1HK-101	100PF 50V CERAMIC	K
	C160	QCBB1HK-221	220PF 50V CERAMIC	N
	C161	QCHB1EZ-223	0.022MF 25V CERAMIC	
	C162	QETB1EM-106	10MF 25V ELECTRO	
	C163	QFLB1HJ-332	3300PF 50V MYLAR	
	C164	QCHB1EZ-223	0.022MF 25V CERAMIC	
	C165	QETB1HM-474	0.47MF 50V ELECTRO	
	C166	QETB1HM-225	2.2MF 50V ELECTRO	
	C167	QETB1HM-225	2.2MF 50V ELECTRO	
	C168	QETB1HM-475	4.7MF 50V ELECTRO	
	C169	QCF21HP-223	0.022MF 50V CERAMIC	
	C170	QCHB1EZ-223	0.022MF 25V CERAMIC	
	C171	QETB1EM-106	10MF 25V ELECTRO	
	C172	QCVB1CM-103	0.01MF 16V CERAMIC	
	C173	QFLB1HK-223	0.022MF 50V MYLAR	
	C174	QFLB1HK-473	0.047MF 50V MYLAR	
	C175	QETB1EM-106	10MF 25V ELECTRO	
	C176	QCY21HK-102	1000PF 50V CERAMIC	
	C177	QCS21HJ-561	560PF 50V CERAMIC	I
	C177	QCS21HJ-271	270PF 50V CERAMIC	J
	C177	QCS21HJ-271	270PF 50V CERAMIC	K
	C177	QCS21HJ-271	270PF 50V CERAMIC	N
	C178	QCS21HJ-561	560PF 50V CERAMIC	I
	C178	QCS21HJ-271	270PF 50V CERAMIC	J
	C178	QCS21HJ-271	270PF 50V CERAMIC	K
	C178	QCS21HJ-271	270PF 50V CERAMIC	N
	C179	QETB1HM-225	2.2MF 50V ELECTRO	
	C180	QETB1HM-225	2.2MF 50V ELECTRO	
	C181	QETB1EM-106	10MF 25V ELECTRO	
	C182	QETB1HM-225	2.2MF 50V ELECTRO	
	C183	QETB1HM-105	1MF 50V ELECTRO	
	C184	QETB1HM-105	1MF 50V ELECTRO	
	C185	QETB1HM-225	2.2MF 50V ELECTRO	
	C186	QETB1HM-474	0.47MF 50V ELECTRO	
	C192	QCC21EM-473	0.047MF 25V CERAMIC	
	C193	QCS21HJ-180	18PF 50V CERAMIC	
	C194	QCS21HJ-180	18PF 50V CERAMIC	
	C195	QEN51HM-474	0.47MF 50V NON POLE	
	C196	QCY21HK-102	1000PF 50V CERAMIC	
	C230	QCF21HP-103	0.01MF 50V CERAMIC	
	C240	QCBB1HK-101	100PF 50V CERAMIC	N

⚠ : SAFETY PARTS

RESISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R117	QRD167J-100	10 1/6W CARBON	
	R118	QRD167J-332	3.3K 1/6W CARBON	
	R119	QRD161J-221	220 1/6W CARBON	
	R121	QRD167J-391	390 1/6W CARBON	
	R122	QRD167J-272	2.7K 1/6W CARBON	
	R123	QRD167J-102	1K 1/6W CARBON	
	R124	QRD167J-681	680 1/6W CARBON	
	R125	QRD167J-332	3.3K 1/6W CARBON	
	R126	QRD161J-221	220 1/6W CARBON	
	R131	QRD167J-331	330 1/6W CARBON	
	R132	QRD167J-103	10K 1/6W CARBON	
	R133	QRD167J-473	47K 1/6W CARBON	
	R134	QRD167J-103	10K 1/6W CARBON	K
	R134	QRD167J-103	10K 1/6W CARBON	N
	R135	QRD167J-470	47 1/6W CARBON	
	R136	QRD167J-103	10K 1/6W CARBON	
	R141	QRD167J-472	4.7K 1/6W CARBON	K
	R141	QRD167J-472	4.7K 1/6W CARBON	N
	R142	QRD167J-331	330 1/6W CARBON	K
	R142	QRD167J-331	330 1/6W CARBON	N
	R143	QRD167J-103	10K 1/6W CARBON	K
	R143	QRD167J-103	10K 1/6W CARBON	N
	R144	QRD167J-473	47K 1/6W CARBON	K
	R144	QRD167J-473	47K 1/6W CARBON	N
	R145	QRD167J-103	10K 1/6W CARBON	K
	R145	QRD167J-103	10K 1/6W CARBON	N
	R146	QRD167J-560	56 1/6W CARBON	
	R147	QRD167J-103	10K 1/6W CARBON	
	R148	QRD167J-103	10K 1/6W CARBON	
	R149	QRD167J-273	27K 1/6W CARBON	
	R150	QRD167J-103	10K 1/6W CARBON	
	R151	QRD167J-224	220K 1/6W CARBON	
	R153	QRD167J-103	10K 1/6W CARBON	
	R154	QRD167J-103	10K 1/6W CARBON	
	R155	QRD167J-562	5.6K 1/6W CARBON	
	R156	QRD167J-822	8.2K 1/6W CARBON	
	R157	QRD167J-103	10K 1/6W CARBON	
	R158	QRD167J-333	33K 1/6W CARBON	
	R159	QRD167J-561	560 1/6W CARBON	
	R160	QRD167J-123	12K 1/6W CARBON	I
	R160	QRD167J-273	27K 1/6W CARBON	J
	R160	QRD167J-273	27K 1/6W CARBON	K
	R160	QRD167J-273	27K 1/6W CARBON	N
	R161	QRD167J-124	120K 1/6W CARBON	I
	R161	QRD167J-184	180K 1/6W CARBON	J
	R161	QRD167J-184	180K 1/6W CARBON	K
	R161	QRD167J-184	180K 1/6W CARBON	N
	R162	QRD167J-124	120K 1/6W CARBON	I
	R162	QRD167J-184	180K 1/6W CARBON	J
	R162	QRD167J-184	180K 1/6W CARBON	K
	R162	QRD167J-184	180K 1/6W CARBON	N
	R163	QRD167J-332	3.3K 1/6W CARBON	
	R164	QRD167J-332	3.3K 1/6W CARBON	
	R165	QRD167J-184	180K 1/6W CARBON	I
	R165	QRD167J-274	270K 1/6W CARBON	J
	R165	QRD167J-274	270K 1/6W CARBON	K
	R165	QRD167J-274	270K 1/6W CARBON	N
	R166	QRD167J-184	180K 1/6W CARBON	I
	R166	QRD167J-274	270K 1/6W CARBON	J
	R166	QRD167J-274	270K 1/6W CARBON	K
	R166	QRD167J-274	270K 1/6W CARBON	N
	R167	QRD167J-473	47K 1/6W CARBON	I
	R168	QRD167J-103	10K 1/6W CARBON	
	R169	QRD167J-103	10K 1/6W CARBON	
	R171	QRD167J-682	6.8K 1/6W CARBON	
	R172	QRD167J-682	6.8K 1/6W CARBON	
	R179	QRD167J-562	5.6K 1/6W CARBON	
	R180	QRD167J-472	4.7K 1/6W CARBON	
	R181	QRD167J-222	2.2K 1/6W CARBON	
	R182	QRD167J-181	180 1/6W CARBON	
	R187	QRD167J-101	100 1/6W CARBON	
	R190	QRD167J-472	4.7K 1/6W CARBON	
	R194	QRD167J-472	4.7K 1/6W CARBON	
	R195	QRD167J-473	47K 1/6W CARBON	
	R196	QRD167J-103	10K 1/6W CARBON	I
	R196	QRD167J-103	10K 1/6W CARBON	J
	R196	QRD167J-222	2.2K 1/6W CARBON	K
	R196	QRD167J-222	2.2K 1/6W CARBON	N
	R197	QRD167J-222	2.2K 1/6W CARBON	
	R198	QRD167J-332	3.3K 1/6W CARBON	I
	R198	QRD167J-332	3.3K 1/6W CARBON	J
	R198	QRD167J-822	8.2K 1/6W CARBON	K
	R198	QRD167J-822	8.2K 1/6W CARBON	N
	R199	QRD167J-472	4.7K 1/6W CARBON	
⚠	R201	QRZ0062-680	68 1/4W FUSIBLE	
⚠	R202	QRZ0062-470	47 1/4W FUSIBLE	I
⚠	R202	QRZ0062-470	47 1/4W FUSIBLE	J
⚠	R202	QRZ0062-470	47 1/4W FUSIBLE	K
⚠	R202	QRZ0062-220	22 1/4W FUSIBLE	N
	VR167	QVPE601-104	100K 0.15W VARIABLE	J
	VR167	QVPE601-104	100K 0.15W VARIABLE	K
	VR167	QVPE601-104	100K 0.15W VARIABLE	N

⚠ : SAFETY PARTS

OTHERS

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	J102	QMS3501-021	MINI JACK(DCS TERMINAL)	
	L101	EQL4007-1R0T	INDUCTOR	
	L106	EQL3001-102K	INDUCTOR	
	P101	EMV7112-008	CONNECTOR(8PIN CONTROL)	
	P103	EMV7112-006	CONNECTOR(6PIN AUDIO)	
	P105	EMV7112-003	CONNECTOR(3PIN CHANNEL SPACE)	I
	T101	EQR1111-014	AM RF COIL	
	T102	EQR1111-005	AM RF COIL	K
	T102	EQR1111-005	AM RF COIL	N
	T103	EQR1207-015	MW OSC COIL	
	T104	EQR1307-009	LW OSC COIL	K
	T104	EQR1307-009	LW OSC COIL	N
	T105	EQT2140-012	I.F. TRANSFORMER	
	T106	EQT2140-013	I.F. TRANSFORMER	
	T107	ECB1560-006	CERAMIC FILTER	
	AT101	EMB41YV-401K	ANTENNA TERMINAL	I
	AT101	EMB41YV-401K	ANTENNA TERMINAL	J
	AT101	EMB41YV-301K	ANTENNA TERMINAL	K
	AT101	EMB41YV-301K	ANTENNA TERMINAL	N
	CF101	ECB2123-006R	CERAMIC FILTER	I

⚠ : SAFETY PARTS

OTHERS

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	CF101	ECB2118-007R	CERAMIC FILTER	J
	CF101	ECB2118-007R	CERAMIC FILTER	K
	CF101	ECB2118-007R	CERAMIC FILTER	N
	CF102	ECB2123-006R	CERAMIC FILTER	I
	CF102	ECB2118-007R	CERAMIC FILTER	J
	CF102	ECB2118-007R	CERAMIC FILTER	K
	CF102	ECB2118-007R	CERAMIC FILTER	N
	EP101	E70859-001	EARTH PLATE	
	EP102	E70859-001	EARTH PLATE	
	EP110	E70225-001	EARTH PLATE	
	FE101	EAF2203-001	FRONT END	I
	FE101	EAF2203-001	FRONT END	J
	FE101	EAF2203-001	FRONT END	K
	FE101	EAF2203-003	FRONT END	N
	LP101	EQF0101-002	LOW PASS FILTER	
	LP102	EQF0102-001	LOW PASS FILTER	N
	SW202	QSS1201-039	SLIDE SWITCH(CHANNEL SPACE)	I
	TC105	ENZ1003-006	TRIMMER	
	TC106	ENZ1003-006	TRIMMER	K
	TC106	ENZ1003-006	TRIMMER	N
	XT102	ECX0007-200KC	RESONATOR	
	XT103	ECX0000-456KR	RESONATOR	

⚠ : SAFETY PARTS

Accessories List

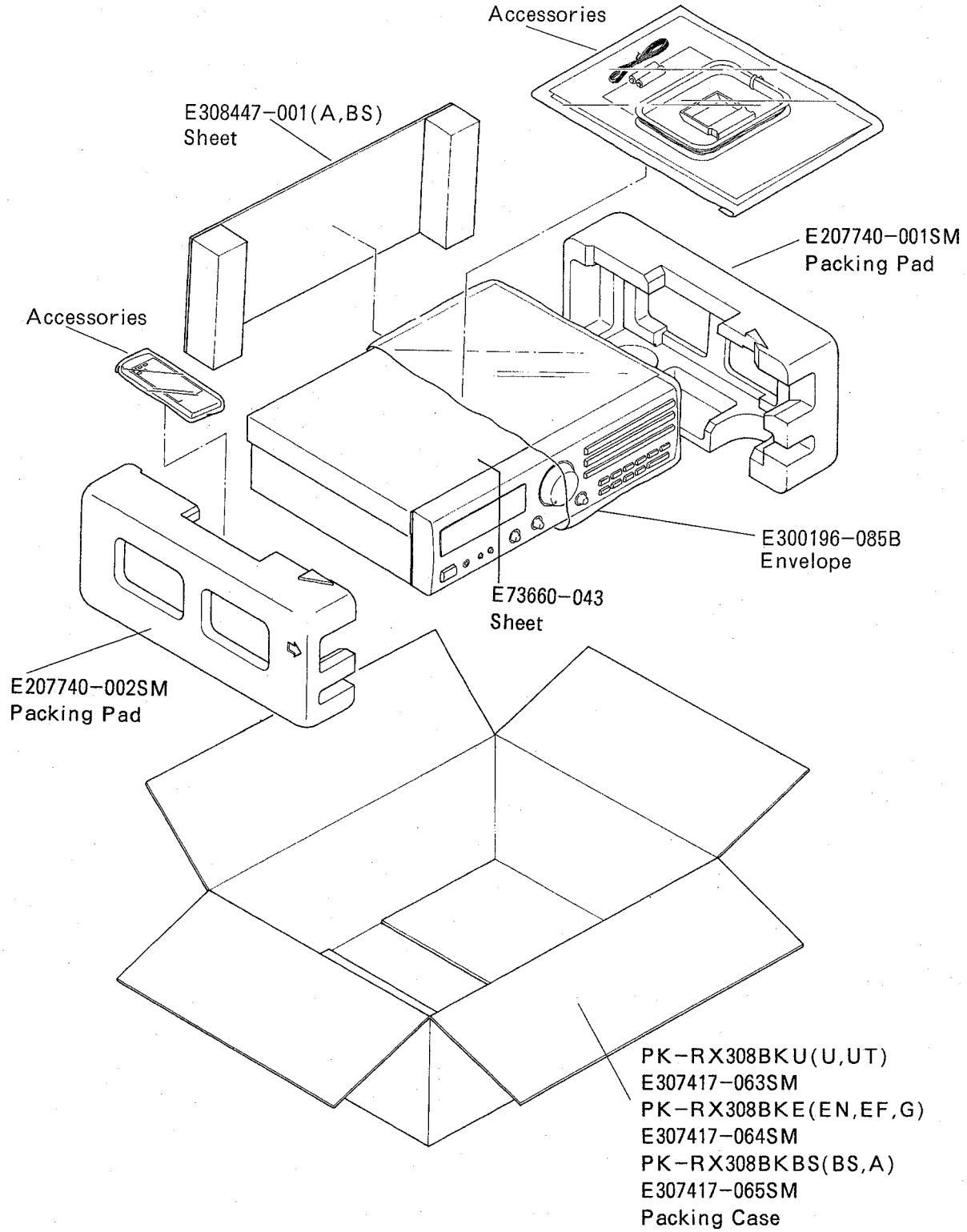
⚠	Part Number	Part Name	Q'ty	Description	Area
	E30580-1914A	INSTRUCTION BOOK	1		A,U,UT,EF,G
	E30580-1914ABS	INSTRUCTION BOOK	1		BS
	E30580-1915A	INSTRUCTION BOOK	1		EN
	E43486-371A	INSTRUCTION SHEET	1		BS
	EQB4001-015	AM LOOP ANTENNA	1		
	RM-SR309U	REMOTE CONTROLLER	1		
	R03BPA-2STSA	BATTERY	1		
	BT-20122	WARRANTY CARD	1		A
	BT-20066A	WARRANTY CARD	1		BS
	BT20060	WARRANTY CARD	1		BS
	BT-20134	WARRANTY CARD	1		G
	BT-20122-1	LTD STICKER	1		A
⚠	EMC0202-001BS	AC PLUG	1		BS
	EMZ2001-012	AC ADAPTOR	1		BS,EF,EN
	EWP502-001	BILT-IN ANTENNA	1		Except G
	E43486-340A	SAFETY SHEET	1		BS
	E67007-001	WIRE ANTENNA	1		G
	QZL1008-001	FTZ INFORMATION SHEET	1		G
⚠	E04056	SIEMENS PLUG	1		U,UT
	E35497-015	CAUTION SHEET	1		U,UT
	E67142-T4R0	FUSE LABEL	1		U,UT
	QPGA005-00703	ENVELOPE	1		U,UT
⚠	QMF51E2-4R0J1	FUSE	1	T4.0A/250V	U,UT
	QPGA025-03505B	ENVELOPE	1		

⚠ : Safety Parts

The Marks for Designated Areas

A ..... Australia
EF .... Continental Europe
EN ..... Scandinavia
G ..... Germany
U ..... Universal
UT ..... Taiwan
BS .... the U.K.
No mark indicates all area.

Packing Materials and Part Numbers



The Marks for Designated Areas					
A	Australia	EF	Continental Europe	EN	Scandinavia
G	Germany	U	Universal	UT	Taiwan
BS	the U.K.	No mark indicates all area.			

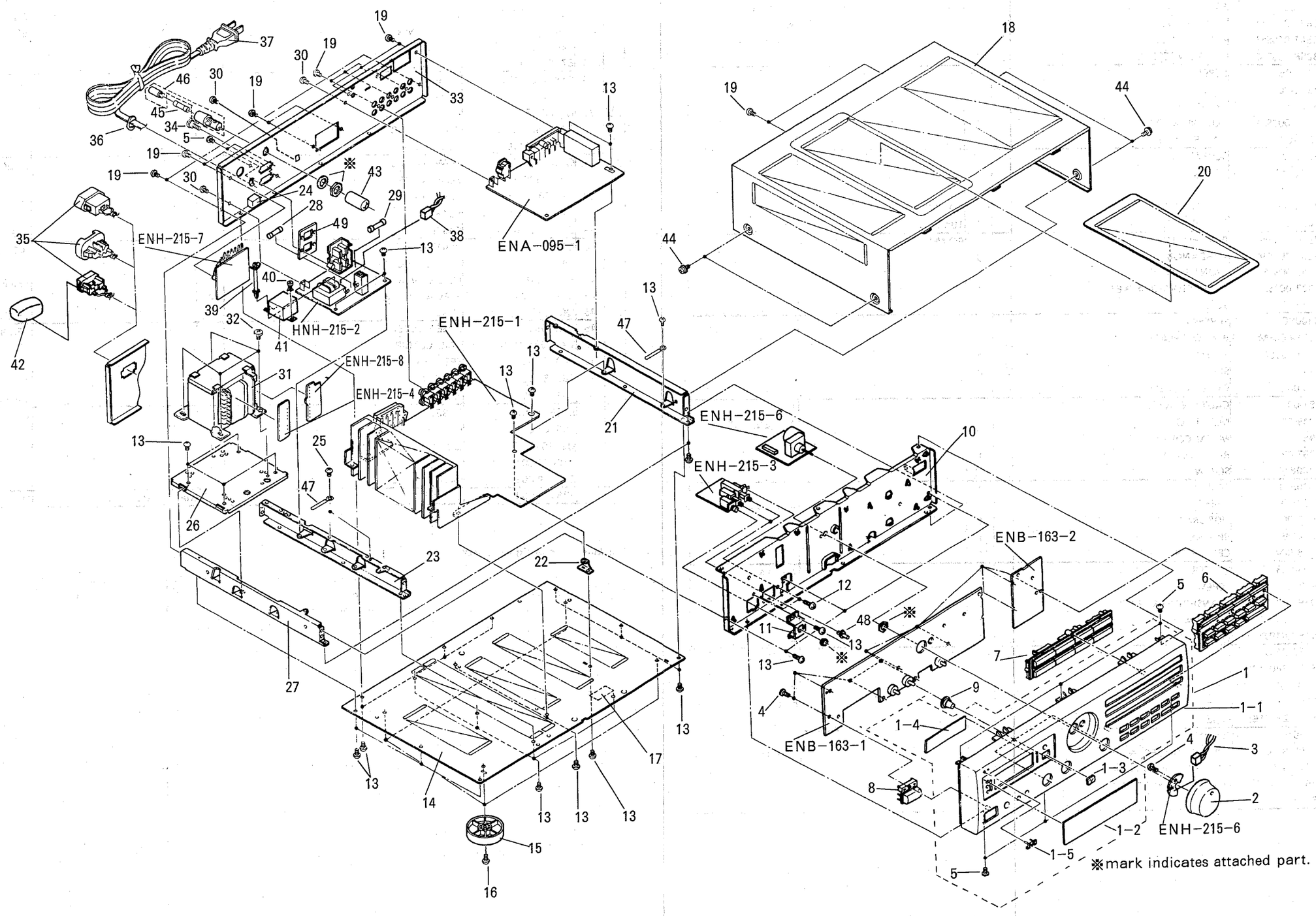
PARTS LIST

※ All printed circuit board assemblies are not arailable as service parts.

Contents

General Exploded View and Parts List 3-3
Printed Circuit Board Ass'y and Parts List 3-7
■ENH-215 □ Power Supply amplifier & Selector PC Board 3-7
■ENB-163 □ Front, Tone control & Volume PC Board 3-12
■ENA-095 □ Tuner PC Board Ass'y 3-14
Accessories List 3-16
Packing Materials and Part Numbers 3-17

General Exploded View and Parts List



RX-309TN

■ Parts List

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	1	EFP-RX309TNE(S)	FRONT PANEL	1		EF,EN
		EFP-RX309TNU(S)	FRONT PANEL	1		A,C,J,U,UT
	1-1	E102647-009SM	FRONT PANEL	1		A,C,J,U,UT
		E102647-010SM	FRONT PANEL	1		EF,EN
	1-2	E308268-005SM	WINDOW SCREEN	1		
	1-3	E72436-006	SCREEN	1		
	1-4	E407322-001SM	FL SCREEN	1		
	1-5	VJD5429-001	JVC MARK	1		
	2	E380266-003SM	VOLUME KNOB	1		
	3	EWS142-031	SOCKET WIRE	1		
	4	SDSF2608Z	SCREW	10		
	5	SDSG3008M	SCREW	6		
		SDSG3008M	SCREW	8		C,J,U,UT
	6	E207678-001SM	PUSH BUTTON	1	SOURCE	
	7	E207677-001SM	PUSH BUTTON	1	10KEY	
	8	E407320-001SM	PUSH BUTTON	1	POWER	
	9	E308267-001SM	TONE KNOB	3		
	10	E102649-00SM	FRONT BRACKET	1		
	11	E407323-001SM	HEAD PHONE BRACKET	1		
	12	SBST3006CC	SCREW	2		
	13	SBSG3008CC	SCREW	34		
	14	E102371-004SM	BOTTOM PLATE	1		
	15	VJF4039-00ESM	FOOT	4		
	16	SBST3010Z	SCREW	4		
	17	E70115-002	CAUTION LABEL	1		Except J
		E70281-001	CAUTION LABEL	1		J
	18	E207049-006	METAL COVER	1		A,EF,EN,U,UT
		E206967-223	METAL COVER	1		C,J
	-	E308287-031	RATING LABEL	1		UT
	19	SBSG3008M	SCREW	12		
		SBSG3008M	SCREW	2		U,UT
	20	E307233-001	SHEET	1		A,EF,EN,U,UT
	21	E206957-001SM	SIDE BRACKET	1		
	22	E68587-009	BRACKET	1		
	23	E206958-004SM	CENTER BRACKET	1		
	24	E306805-023	SPACER	1		A,EF,EN
	25	SBST3006Z	SCREW	2		
	26	E206959-002SM	TRANSFORMER BRACKET	1		
	27	E206956-001SM	SIDE BRACKET	1		
⚠	28	QMF51E2-R10J1BS	FUSE	1		A
⚠		QMF51E2-R10J1	FUSE	1		EF,EN,U,UT
⚠	29	QMF51E2-2R0J1BS	FUSE	1		A
⚠		QMF51U1-5R0S	FUSE	1		C,J
⚠		QMF51E2-2R0J1	FUSE	1		EF,EN,U,UT
⚠		QMF51E2-2R0J1BS	FUSE	1		A
	30	SBST3006M	SCREW	2		
⚠	31	ETP1200-58EAJ	POWER TRANSFORMER	1		A,EF,EN
⚠		ETP1200-58JAJ	POWER TRANSFORMER	1		C,J
⚠		ETP1200-55FAJ	POWER TRANSFORMER	1		U,UT
	32	E65389-004	SPECIAL SCREW	4		

⚠	Item	Part Number	Part Name	Q'ty	Description	Area
	33	E207332-029SM	REAR PANEL	1		A
		E207332-021SM	REAR PANEL	1		C,J
		E207332-030SM	REAR PANEL	1		EF,EN
		E207332-022SM	REAR PANEL	1		U
	34	E73562-003	SPECIAL SCREW	1		
	35	EMC0238-001	AC SOCKET	1		A
		EMC0236-001	AC OUTLET	1		EF,EN
⚠	36	QHS3876-162	CORD STOPPER	1		
⚠	37	QMP25F0-244	POWER CORD	1		A
⚠		QMP1480-200	POWER CORD	1		C,J
⚠		QMP3900-200	POWER CORD	1		EF,EN
⚠		QMP7520-200	POWER CORD	1		U,UT
	38	EWS282-002	SOCKET WIRE	1		A,EF,EN
		EWS282-001	SOCKET WIRE	1		U,UT
	39	E306232-002	FASTENER	1		A,EF,EN
	40	E48729-008	PLASTIC RIVET	1		A,EF,EN
	41	E406528-003	PRIMARY COVER	1		A,EF,EN
	43	E69291-001	FUSE COVER	1		EF,EN,U,UT
	44	E61660-004	SPECIAL SCREW	4		
⚠	45	QMF51E2-1R25J1	FUSE	1		EF,EN
	46	QMG0301-003	FUSE HOLDER	1		EF,EN,U,UT
	47	VKZ4001-111S	WIRE CLAMP	1		
	48	E407321-001SM	SPEAKER BUTTON	1		
	49	E69589-008	SPACER	1		J
	-	E61029-005	NUMBER LABEL	1		Except UT
	-	E45858-002	LABEL	1		C
	-	E65507-001	CAUTION LABEL	1		C
	-	QZL1031-101	LABEL	1		EF
	-	E70027-001	LABEL	1		EN
	-	E67199-001	CAUTION LABEL	1		J
	-	E75139-003	Z LABEL	1	Made in Malaysia	U

⚠ : Safety Parts

The Marks for Designated Areas

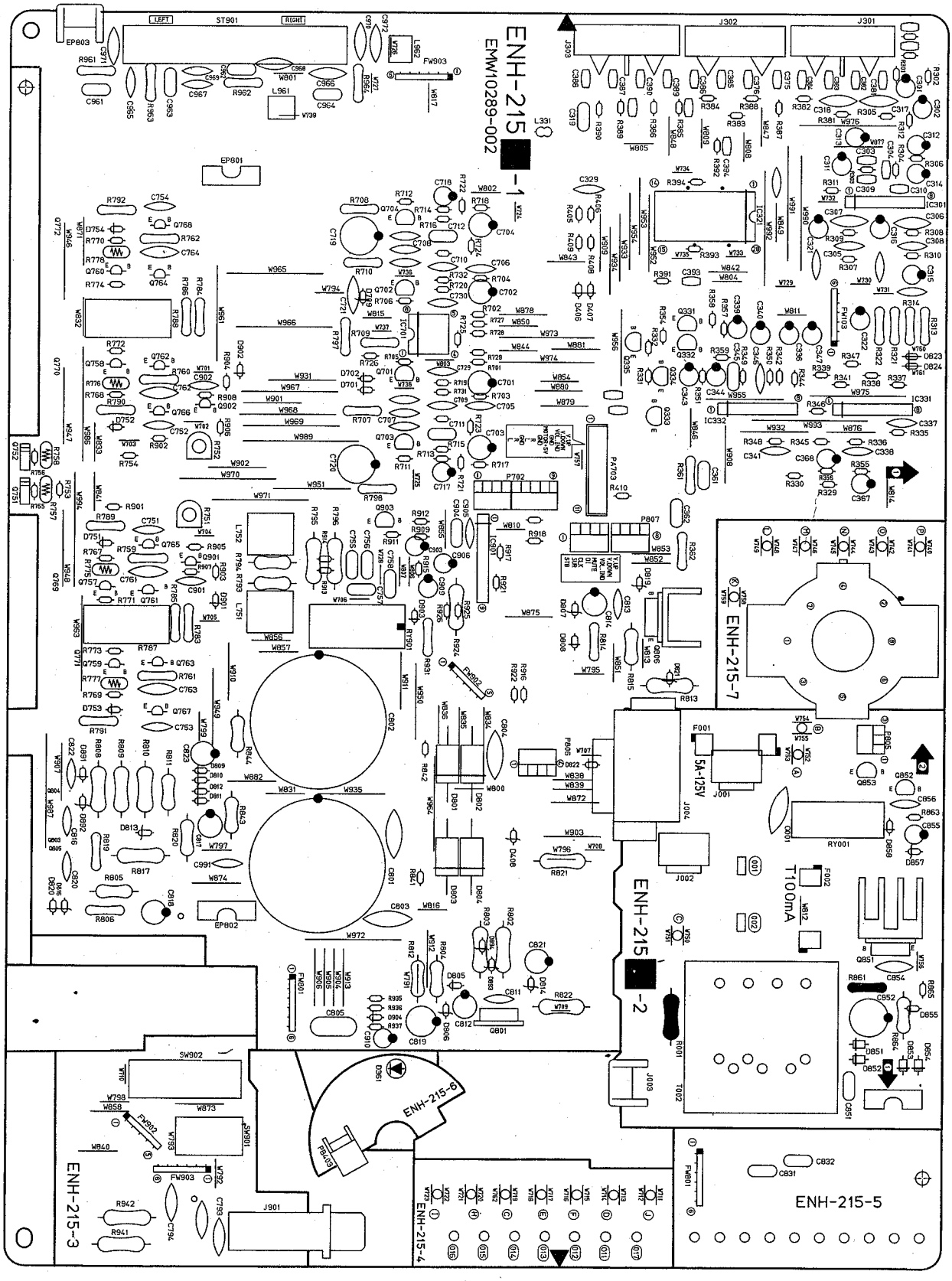
A	Australia	EF	Continental Europe	EN	Scandinavia
C	Canada	U	Universal	UT	Taiwan
J	America	No mark indicates all area.			

Printed Circuit Board Ass'y and Parts List

■ENH-215 □ Power Supply amplifier & Selecotor PC Board

Note : ENH-215 □ varies according to the areas employed. See note (1) when placing an order.

※ All printed circuit board assemblies are not arailable as service parts.



Note (1)

PC Board Ass'y	Designated Areas
ENH-215 [A]	the U.S.A
ENH-215 [B]	Canada
ENH-215 [C]	Universal Type Taiwan
ENH-215 [D]	Continental Europe Scandinavia
ENH-215 [E]	Australia

I. C. S.

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
	IC301	VC4580LD	I.C.	DAINICHI	
	IC321	TC9164N	I.C.	TOSHIBA	
	IC331	BA15218N	I.C.	ROHM	
	IC332	BA15218N	I.C.	ROHM	
	IC701	NJM4560DD	I.C.	DAINICHI	
	IC901	TA7317P	I.C.	TOSHIBA	

TRANSISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
	Q331	AA1L4M	SILICON	NEC	
	Q332	2SD655(D,E)	SILICON	HITACHI	
	Q333	2SD2144S(VW)	SILICON	ROHM	
	Q334	2SD2144S(VW)	SILICON	ROHM	
	Q335	AN1L4M	SILICON	NEC	
	Q701	2SC2240(BL)	SILICON	TOSHIBA	A
	Q701	2SC2910(T)	SILICON	SANYO	B
	Q701	2SC2910(T)	SILICON	SANYO	C
	Q701	2SC2910(T)	SILICON	SANYO	D
	Q701	2SC2910(T)	SILICON	SANYO	E
	Q702	2SC2240(BL)	SILICON	TOSHIBA	A
	Q702	2SC2910(T)	SILICON	SANYO	B
	Q702	2SC2910(T)	SILICON	SANYO	C
	Q702	2SC2910(T)	SILICON	SANYO	D
	Q702	2SC2910(T)	SILICON	SANYO	E
	Q703	2SA970(BL)	SILICON	TOSHIBA	
	Q704	2SA970(BL)	SILICON	TOSHIBA	
	Q751	2SD636(Q,R)	SILICON	MATSUSHITA	
	Q752	2SD636(Q,R)	SILICON	MATSUSHITA	
	Q757	2SC945A(P,Q)	SILICON	NEC	
	Q758	2SC945A(P,Q)	SILICON	NEC	
	Q759	2SA733A(P,Q)	SILICON	NEC	
	Q760	2SA733A(P,Q)	SILICON	NEC	
	Q761	2SC2240(BL)	SILICON	TOSHIBA	
	Q762	2SC2240(BL)	SILICON	TOSHIBA	
	Q763	2SA970(BL)	SILICON	TOSHIBA	
	Q764	2SA970(BL)	SILICON	TOSHIBA	
	Q765	2SC2235(O,Y)	SILICON	TOSHIBA	
	Q766	2SC2235(O,Y)	SILICON	TOSHIBA	
	Q767	2SA965(O,Y)	SILICON	0062	
	Q768	2SA965(O,Y)	SILICON	0062	
	Q769	PT187	SILICON		A
	Q769	2SD2155LB(R,O)	SILICON	TOSHIBA	A
	Q769	PT187	SILICON		B
	Q769	2SD2155LB(R,O)	SILICON	TOSHIBA	B
	Q769	PT197	SILICON	SANKEN	C
	Q769	2SC3854LD(O,Y)	SILICON	SANKEN	C
	Q769	PT200	SILICON		D
	Q769	2SC3855LD(O,Y)	SILICON	SANKEN	D
	Q769	PT200	SILICON		E
	Q769	2SC3855LD(O,Y)	SILICON	SANKEN	E
	Q770	2SD2155LB(R,O)	SILICON	TOSHIBA	A
	Q770	2SD2155LB(R,O)	SILICON	TOSHIBA	B
	Q770	2SC3854LD(O,Y)	SILICON	SANKEN	C
	Q770	2SC3855LD(O,Y)	SILICON	SANKEN	D
	Q770	2SC3855LD(O,Y)	SILICON	SANKEN	E
	Q771	2SB1429LB(R,O)	SILICON	TOSHIBA	A
	Q771	2SB1429LB(R,O)	SILICON	TOSHIBA	B
	Q771	2SA1490LD(O,Y)	SILICON	SANKEN	C
	Q771	2SA1491LD(O,Y)	SILICON	SANKEN	D
	Q771	2SA1491LD(O,Y)	SILICON	SANKEN	E
	Q772	2SB1429LB(R,O)	SILICON	TOSHIBA	A
	Q772	2SB1429LB(R,O)	SILICON	TOSHIBA	B
	Q772	2SA1490LD(O,Y)	SILICON	SANKEN	C
	Q772	2SA1491LD(O,Y)	SILICON	SANKEN	D
	Q772	2SA1491LD(O,Y)	SILICON	SANKEN	E
	Q801	2SB1187(E,F)	SILICON	ROHM	
	Q803	2SD2061F(E,F)	SILICON	ROHM	
	Q804	2SD2061F(E,F)	SILICON	ROHM	
	Q805	2SB1187F(E,F)	SILICON	ROHM	
	Q806	2SD2061(E,F)	SILICON	ROHM	
	Q851	2SD1266(Q)	SILICON	MATSUSHITA	C
	Q852	2SC2235(O,Y)	SILICON	TOSHIBA	
	Q853	AA1L3Z	SILICON	NEC	
	Q901	2SC1775AV(E,F)	SILICON	HITACHI	
	Q902	2SC1775AV(E,F)	SILICON	HITACHI	
	Q903	2SA1038(S,E)	SILICON	ROHM	

⚠ : SAFETY PARTS

DIODES

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
	D361	LN282RPX	L.E.D.		
	D406	1SS133	SILICON	ROHM	
	D407	1SS133	SILICON	ROHM	
	D408	MTZ6.8JC	ZENER	ROHM	
	D701	1SS133	SILICON	ROHM	
	D702	1SS133	SILICON	ROHM	
	D709	MTZ3.0JB	ZENER	ROHM	
	D751	1SS133	SILICON	ROHM	
	D752	1SS133	SILICON	ROHM	
	D753	1SS133	SILICON	ROHM	
	D754	1SS133	SILICON	ROHM	
	D801	30D2FC	SILICON	NIHONINTER	A
	D801	30D2FC	SILICON	NIHONINTER	B
	D801	30DF2SFC	SILICON	NIHONINTER	C
	D801	30DF2SFC	SILICON	NIHONINTER	D
	D801	30DF2SFC	SILICON	NIHONINTER	E
	D802	30D2FC	SILICON	NIHONINTER	A
	D802	30D2FC	SILICON	NIHONINTER	B
	D802	30DF2SFC	SILICON	NIHONINTER	C
	D802	30DF2SFC	SILICON	NIHONINTER	D
	D802	30DF2SFC	SILICON	NIHONINTER	E
	D803	30D2FC	SILICON	NIHONINTER	A
	D803	30D2FC	SILICON	NIHONINTER	B
	D803	30DF2SFC	SILICON	NIHONINTER	C
	D803	30DF2SFC	SILICON	NIHONINTER	D
	D803	30DF2SFC	SILICON	NIHONINTER	E
	D804	30D2FC	SILICON	NIHONINTER	A
	D804	30D2FC	SILICON	NIHONINTER	B
	D804	30DF2SFC	SILICON	NIHONINTER	C
	D804	30DF2SFC	SILICON	NIHONINTER	D
	D804	30DF2SFC	SILICON	NIHONINTER	E
	D805	1SS133	SILICON	ROHM	
	D806	MTZ16JC	ZENER	ROHM	
	D807	MTZ5.6JC	ZENER	ROHM	
	D808	1SS133	SILICON	ROHM	
	D809	1SS133	SILICON	ROHM	
	D810	MTZ16JC	ZENER	ROHM	
	D811	1SS133	SILICON	ROHM	
	D812	MTZ7.5JC	ZENER	ROHM	
	D813	MTZ16JC	ZENER	ROHM	B
	D813	MTZ16JC	ZENER	ROHM	C
	D813	MTZ16JC	ZENER	ROHM	D
	D813	MTZ16JC	ZENER	ROHM	E
	D814	MTZ5.1JC	ZENER	ROHM	
	D816	MTZ20JC	ZENER	ROHM	
	D819	MTZ6.8JC	ZENER	ROHM	B
	D819	MTZ6.8JC	ZENER	ROHM	C
	D819	MTZ6.8JC	ZENER	ROHM	D
	D819	MTZ6.8JC	ZENER	ROHM	E
	D820	1SS133	SILICON	ROHM	
	D821	MTZ22JC	ZENER	ROHM	B
	D821	MTZ22JC	ZENER	ROHM	C
	D821	MTZ22JC	ZENER	ROHM	D
	D821	MTZ22JC	ZENER	ROHM	E
	D822	MTZ3.3JB	ZENER	ROHM	A
	D822	MTZ3.3JB	ZENER	ROHM	B
	D851	1SR35-200A	SILICON	ROHM	
	D852	1SR35-200A	SILICON	ROHM	
	D853	1SR35-200A	SILICON	ROHM	
	D854	1SR35-200A	SILICON	ROHM	
	D855	MTZ12JC	ZENER	ROHM	C
	D857	MTZ6.2JC	ZENER	ROHM	
	D858	1SS133	SILICON	ROHM	
	D901	1SS133	SILICON	ROHM	
	D902	1SS133	SILICON	ROHM	
	D903	1SS133	SILICON	ROHM	
	D904	1SS133	SILICON	ROHM	

⚠ : SAFETY PARTS

CAPACITORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	C001	QCZ9019-472	4700PF		CERAMIC	
	C301	QETB1HM-475	4.7MF	50V	ELECTRO	
	C302	QETB1HM-475	4.7MF	50V	ELECTRO	
	C303	QCBB1HK-101	100PF	50V	CERAMIC	
	C304	QCBB1HK-101	100PF	50V	CERAMIC	
	C305	QCY21HK-182	1800PF	50V	CERAMIC	
	C306	QCY21HK-182	1800PF	50V	CERAMIC	
	C307	QCY21HK-682	6800PF	50V	CERAMIC	
	C308	QCY21HK-682	6800PF	50V	CERAMIC	
	C309	QCBB1HK-101	100PF	50V	CERAMIC	
	C310	QCBB1HK-101	100PF	50V	CERAMIC	
	C311	QETB1HM-475	4.7MF	50V	ELECTRO	
	C312	QETB1HM-475	4.7MF	50V	ELECTRO	
	C313	QETB1AM-107	100MF	10V	ELECTRO	
	C314	QETB1AM-107	100MF	10V	ELECTRO	
	C315	QETB1CM-476	47MF	16V	ELECTRO	
	C316	QETB1CM-476	47MF	16V	ELECTRO	
	C317	QCF21HP-223	0.022MF	50V	CERAMIC	
	C318	QCF21HP-223	0.022MF	50V	CERAMIC	
	C319	QFV81HJ-154	0.15MF	50V	T.FILM	
	C321	QETB1EM-226	22MF	25V	ELECTRO	
	C322	QETB1EM-226	22MF	25V	ELECTRO	
	C329	QCS21HJ-331	330PF	50V	CERAMIC	
	C336	QETB1CM-226	22MF	16V	ELECTRO	
	C337	QCS21HJ-100	10PF	50V	CERAMIC	
	C338	QCS21HJ-100	10PF	50V	CERAMIC	
	C339	QETB1HM-475	4.7MF	50V	ELECTRO	
	C340	QETB1HM-475	4.7MF	50V	ELECTRO	
	C341	QCS21HJ-330	33PF	50V	CERAMIC	
	C343	QETB1HM-475	4.7MF	50V	ELECTRO	
	C344	QETB1HM-105	1MF	50V	ELECTRO	
	C345	QFLB1HJ-392	3900PF	50V	MYLAR	
	C346	QCS21HJ-100	10PF	50V	CERAMIC	
	C347	QETB1EM-226	22MF	25V	ELECTRO	
	C361	QCF21HP-223	0.022MF	50V	CERAMIC	
	C362	QCF21HP-223	0.022MF	50V	CERAMIC	
	C367	QETB1HM-475	4.7MF	50V	ELECTRO	
	C368	QETB1HM-475	4.7MF	50V	ELECTRO	
	C701	QETB1HM-106	10MF	50V	ELECTRO	
	C702	QETB1HM-106	10MF	50V	ELECTRO	
	C703	QETB1AM-107	100MF	10V	ELECTRO	
	C704	QETB1AM-107	100MF	10V	ELECTRO	
	C705	QCS21HJ-101	100PF	50V	CERAMIC	
	C706	QCS21HJ-101	100PF	50V	CERAMIC	
	C707	QCS21HJ-270	27PF	50V	CERAMIC	
	C708	QCS21HJ-270	27PF	50V	CERAMIC	
	C709	QCS21HJ-270	27PF	50V	CERAMIC	A
	C709	QCS21HJ-270	27PF	50V	CERAMIC	B
	C709	QCS21HJ-270	27PF	50V	CERAMIC	C
	C709	QCS21HJ-470	47PF	50V	CERAMIC	D
	C709	QCS21HJ-470	47PF	50V	CERAMIC	E
	C710	QCS21HJ-270	27PF	50V	CERAMIC	A
	C710	QCS21HJ-270	27PF	50V	CERAMIC	B
	C710	QCS21HJ-270	27PF	50V	CERAMIC	C
	C710	QCS21HJ-470	47PF	50V	CERAMIC	D
	C710	QCS21HJ-470	47PF	50V	CERAMIC	E
	C711	QFLB1HJ-103	0.01MF	50V	MYLAR	
	C712	QFLB1HJ-103	0.01MF	50V	MYLAR	
	C717	QETB1JM-226	22MF	63V	ELECTRO	A
	C717	QETB1JM-226	22MF	63V	ELECTRO	B
	C717	QETB1HM-226	22MF	50V	ELECTRO	C
	C717	QETB1HM-226	22MF	50V	ELECTRO	D
	C717	QETB1HM-226	22MF	50V	ELECTRO	E
	C718	QETB1JM-226	22MF	63V	ELECTRO	A
	C718	QETB1JM-226	22MF	63V	ELECTRO	B
	C718	QETB1HM-226	22MF	50V	ELECTRO	C
	C718	QETB1HM-226	22MF	50V	ELECTRO	D
	C718	QETB1HM-226	22MF	50V	ELECTRO	E
	C719	QETB2AM-476	47MF	100V	ELECTRO	A
	C719	QETB2AM-476	47MF	100V	ELECTRO	B
	C719	QETB1JM-476	47MF	63V	ELECTRO	C
	C719	QETB1JM-476	47MF	63V	ELECTRO	D
	C719	QETB1JM-476	47MF	63V	ELECTRO	E
	C720	QETB2AM-476	47MF	100V	ELECTRO	A
	C720	QETB2AM-476	47MF	100V	ELECTRO	B
	C720	QETB1JM-476	47MF	63V	ELECTRO	C
	C720	QETB1JM-476	47MF	63V	ELECTRO	D
	C720	QETB1JM-476	47MF	63V	ELECTRO	E
	C721	QCF21HP-223	0.022MF	50V	CERAMIC	
	C729	QCS21HJ-220	22PF	50V	CERAMIC	
	C730	QCS21HJ-220	22PF	50V	CERAMIC	
	C751	QCS22HJ-470A	47PF	500V	CERAMIC	
	C752	QCS22HJ-470A	47PF	500V	CERAMIC	
	C753	QCS22HJ-470A	47PF	500V	CERAMIC	
	C754	QCS22HJ-470A	47PF	500V	CERAMIC	
	C755	QFLB1HJ-223	0.022MF	50V	MYLAR	A
	C755	QFLB1HJ-473	0.047MF	50V	MYLAR	B
	C755	QFLB1HJ-473	0.047MF	50V	MYLAR	C
	C755	QFLB1HJ-473	0.047MF	50V	MYLAR	D
	C755	QFLB1HJ-473	0.047MF	50V	MYLAR	E
	C756	QFLB1HJ-223	0.022MF	50V	MYLAR	A
	C756	QFLB1HJ-473	0.047MF	50V	MYLAR	B
	C756	QFLB1HJ-473	0.047MF	50V	MYLAR	C
	C756	QFLB1HJ-473	0.047MF	50V	MYLAR	D
	C756	QFLB1HJ-473	0.047MF	50V	MYLAR	E

⚠ : SAFETY PARTS

CAPACITORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C757	QFLB1HJ-473	0.047MF	50V	MYLAR	B
	C757	QFLB1HJ-473	0.047MF	50V	MYLAR	C
	C757	QFLB1HJ-473	0.047MF	50V	MYLAR	D
	C757	QFLB1HJ-473	0.047MF	50V	MYLAR	E
	C758	QFLB1HJ-473	0.047MF	50V	MYLAR	B
	C758	QFLB1HJ-473	0.047MF	50V	MYLAR	C
	C758	QFLB1HJ-473	0.047MF	50V	MYLAR	D
	C758	QFLB1HJ-473	0.047MF	50V	MYLAR	E
	C761	QCF21HP-473	0.047MF	50V	CERAMIC	
	C762	QCF21HP-473	0.047MF	50V	CERAMIC	
	C763	QCF21HP-473	0.047MF	50V	CERAMIC	
	C764	QCF21HP-473	0.047MF	50V	CERAMIC	
	C801	EEW7504-688T	6800MF		ELECTRO	A
	C801	EEW7504-688T	6800MF		ELECTRO	B
	C801	EEW7504-688T	6800MF		ELECTRO	C
	C801	EEW5613-688T	6800MF		ELECTRO	D
	C801	EEW5613-688T	6800MF		ELECTRO	E
	C802	EEW7504-688T	6800MF		ELECTRO	A
	C802	EEW7504-688T	6800MF		ELECTRO	B
	C802	EEW7504-688T	6800MF		ELECTRO	C
	C802	EEW5613-688T	6800MF		ELECTRO	D
	C802	EEW5613-688T	6800MF		ELECTRO	E
	C803	QCE22HP-103	0.01MF	500V	CERAMIC	
	C804	QCE22HP-103	0.01MF	500V	CERAMIC	
	C805	QCE22HP-103	0.01MF	500V	CERAMIC	A
	C805	QCE22HP-103	0.01MF	500V	CERAMIC	B
	C805	QFN82CJ-224	0.22MF	160V	MYLAR	C
	C805	QFN82CJ-224	0.22MF	160V	MYLAR	D
	C805	QFN82CJ-224	0.22MF	160V	MYLAR	E
	C811	QCF21HP-472	4700PF	50V	CERAMIC	
	C812	QETB1EM-107	100MF	25V	ELECTRO	
	C813	QCF21HP-472	4700PF	50V	CERAMIC	
	C814	QETB1EM-107	100MF	25V	ELECTRO	
	C816	QCF21HP-472	4700PF	50V	CERAMIC	
	C817	QETB1EM-107	100MF	25V	ELECTRO	
	C818	QETB1HM-476	47MF	50V	ELECTRO	
	C819	QETB1HM-107	100MF	50V	ELECTRO	
	C820	QCF21HP-472	4700PF	50V	CERAMIC	
	C821	QETB1EM-107	100MF	25V	ELECTRO	
	C822	QCF21HP-472	4700PF	50V	CERAMIC	
	C823	QETB1EM-107	100MF	25V	ELECTRO	
	C831	QFLB1HJ-223	0.022MF	50V	MYLAR	A
	C831	QFLB1HJ-223	0.022MF	50V	MYLAR	D
	C831	QFLB1HJ-223	0.022MF	50V	MYLAR	E
	C832	QFLB1HJ-223	0.022MF	50V	MYLAR	A
	C832	QFLB1HJ-223	0.022MF	50V	MYLAR	D
	C832	QFLB1HJ-223	0.022MF	50V	MYLAR	E
	C851	QFN32AJ-4722	4700PF	100V	MYLAR	
	C852	QETB1EM-227	220MF	25V	ELECTRO	A
	C852	QETB1EM-227	220MF	25V	ELECTRO	B
	C852	QETB1JM-227	220MF	63V	ELECTRO	C
	C852	QETB1EM-227	220MF	25V	ELECTRO	D
	C852	QETB1EM-227	220MF	25V	ELECTRO	E
	C854	QCF21HP-472	4700PF	50V	CERAMIC	C
	C855	QETB1CM-476	47MF	16V	ELECTRO	
	C856	QCF21HP-472	4700PF	50V	CERAMIC	
	C901	QCF21HP-223	0.022MF	50V	CERAMIC	
	C902	QCF21HP-223	0.022MF	50V	CERAMIC	
	C903	QETB1HM-226	22MF	50V	ELECTRO	
	C904	QFLB1HJ-223	0.022MF	50V	MYLAR	
	C905	QCY21HK-102	1000PF	50V	CERAMIC	
	C906	QETB1AM-476	47MF	10V	ELECTRO	
	C909	QETB1CM-226	22MF	16V	ELECTRO	
	C910	QETB1HM-225	2.2MF	50V	ELECTRO	

RESISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R001	QRC128K-275EM	2.7M	1/2W	COMPOSI	A
⚠	R001	QRC128K-275EM	2.7M	1/2W	COMPOSI	B
	R301	QRD167J-222	2.2K	1/6W	CARBON	
	R302	QRD167J-222	2.2K	1/6W	CARBON	
	R303	QRD167J-473	47K	1/6W	CARBON	
	R304	QRD167J-473	47K	1/6W	CARBON	
	R305	QRD167J-621	620	1/6W	CARBON	
	R306	QRD167J-621	620	1/6W	CARBON	
	R307	QRD167J-393	39K	1/6W	CARBON	
	R308	QRD167J-393	39K	1/6W	CARBON	
	R309	QRD167J-474	470K	1/6W	CARBON	
	R310	QRD167J-474	470K	1/6W	CARBON	
	R311	QRD167J-104	100K	1/6W	CARBON	
	R312	QRD167J-104	100K	1/6W	CARBON	
⚠	R313	QRD14CJ-391S	390	1/4W	UNF.CARBON	
⚠	R314	QRD14CJ-391S	390	1/4W	UNF.CARBON	
⚠	R321	QRZ0077-470	47	1/4W	FUSIBLE	
⚠	R322	QRZ0077-470	47	1/4W	FUSIBLE	
	R329	QRD167J-152	1.5K	1/6W	CARBON	
	R330	QRD167J-152	1.5K	1/6W	CARBON	

⚠ : SAFETY PARTS

RESISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R331	QRD167J-103	10K	1/6W	CARBON	
	R332	QRD167J-103	10K	1/6W	CARBON	
	R335	QRD167J-303	30K	1/6W	CARBON	
	R336	QRD167J-333	33K	1/6W	CARBON	
	R337	QRD167J-273	27K	1/6W	CARBON	
	R338	QRD167J-474	470K	1/6W	CARBON	
	R339	QRD167J-303	30K	1/6W	CARBON	
	R341	QRD167J-303	30K	1/6W	CARBON	
	R342	QRD167J-334	330K	1/6W	CARBON	
	R344	QRD167J-334	330K	1/6W	CARBON	
	R345	QRD167J-273	27K	1/6W	CARBON	
	R346	QRD167J-303	30K	1/6W	CARBON	
	R347	QRD167J-273	27K	1/6W	CARBON	
	R348	QRD167J-334	330K	1/6W	CARBON	
	R349	QRD167J-682	6.8K	1/6W	CARBON	
	R350	QRD167J-334	330K	1/6W	CARBON	
	R351	QRD167J-332	3.3K	1/6W	CARBON	
	R354	QRD167J-473	47K	1/6W	CARBON	
	R355	QRD167J-104	100K	1/6W	CARBON	
	R356	QRD167J-104	100K	1/6W	CARBON	
	R359	QRD167J-564	560K	1/6W	CARBON	
⚠	R361	QRZ0077-680	68	1/4W	FUSIBLE	
⚠	R362	QRZ0077-680	68	1/4W	FUSIBLE	
	R381	QRD167J-471	470	1/6W	CARBON	
	R382	QRD167J-471	470	1/6W	CARBON	
	R383	QRD167J-471	470	1/6W	CARBON	
	R384	QRD167J-471	470	1/6W	CARBON	
	R385	QRD167J-471	470	1/6W	CARBON	
	R386	QRD167J-471	470	1/6W	CARBON	
	R387	QRD167J-471	470	1/6W	CARBON	
	R388	QRD167J-471	470	1/6W	CARBON	
	R389	QRD167J-471	470	1/6W	CARBON	
	R390	QRD167J-471	470	1/6W	CARBON	
	R391	QRD167J-105	1M	1/6W	CARBON	
	R392	QRD167J-105	1M	1/6W	CARBON	
	R393	QRD167J-103	10K	1/6W	CARBON	
	R394	QRD167J-103	10K	1/6W	CARBON	
	R405	QRD167J-512	5.1K	1/6W	CARBON	
	R406	QRD167J-512	5.1K	1/6W	CARBON	
	R408	QRD167J-103	10K	1/6W	CARBON	
	R409	QRD167J-103	10K	1/6W	CARBON	
	R410	QRD167J-102	1K	1/6W	CARBON	
	R701	QRD167J-222	2.2K	1/6W	CARBON	
	R702	QRD167J-222	2.2K	1/6W	CARBON	
	R703	QRD167J-104	100K	1/6W	CARBON	
	R704	QRD167J-104	100K	1/6W	CARBON	
	R705	QRD167J-472	4.7K	1/6W	CARBON	
	R706	QRD167J-472	4.7K	1/6W	CARBON	
⚠	R707	QRD14CJ-820S	82	1/4W	UNF.CARBON	
⚠	R708	QRD14CJ-820S	82	1/4W	UNF.CARBON	
⚠	R709	QRD14CJ-820S	82	1/4W	UNF.CARBON	A
⚠	R709	QRZ0077-820	82	1/4W	FUSIBLE	B
⚠	R709	QRZ0077-820	82	1/4W	FUSIBLE	C
⚠	R709	QRZ0077-820	82	1/4W	FUSIBLE	D
⚠	R709	QRZ0077-820	82	1/4W	FUSIBLE	E
⚠	R710	QRD14CJ-820S	82	1/4W	UNF.CARBON	A
⚠	R710	QRZ0077-820	82	1/4W	FUSIBLE	B
⚠	R710	QRZ0077-820	82	1/4W	FUSIBLE	C
⚠	R710	QRZ0077-820	82	1/4W	FUSIBLE	D
⚠	R710	QRZ0077-820	82	1/4W	FUSIBLE	E
	R711	QRD167J-470	47	1/6W	CARBON	
	R712	QRD167J-470	47	1/6W	CARBON	
	R713	QRD167J-243	24K	1/6W	CARBON	
	R714	QRD167J-243	24K	1/6W	CARBON	
	R715	QRD167J-243	24K	1/6W	CARBON	
	R716	QRD167J-243	24K	1/6W	CARBON	
	R717	QRD167J-302	3K	1/6W	CARBON	
	R718	QRD167J-302	3K	1/6W	CARBON	
	R719	QRD167J-133	13K	1/6W	CARBON	
	R720	QRD167J-133	13K	1/6W	CARBON	
	R721	QRD167J-243	24K	1/6W	CARBON	
	R722	QRD167J-243	24K	1/6W	CARBON	
	R723	QRD167J-561	560	1/6W	CARBON	A
	R723	QRD167J-561	560	1/6W	CARBON	B
	R723	QRD167J-821	820	1/6W	CARBON	C
	R723	QRD167J-751	750	1/6W	CARBON	D
	R723	QRD167J-751	750	1/6W	CARBON	E
	R724	QRD167J-561	560	1/6W	CARBON	A
	R724	QRD167J-561	560	1/6W	CARBON	B
	R724	QRD167J-821	820	1/6W	CARBON	C
	R724	QRD167J-751	750	1/6W	CARBON	D
	R724	QRD167J-751	750	1/6W	CARBON	E
	R725	QRD167J-202	2K	1/6W	CARBON	
⚠	R726	QRV144F-2702	27K	1/4W	M.FILM	A
⚠	R726	QRV144F-2702	27K	1/4W	M.FILM	B
	R726	QRD167J-273	27K	1/6W	CARBON	C
	R726	QRD167J-273	27K	1/6W	CARBON	D
	R726	QRD167J-273	27K	1/6W	CARBON	E
	R727	QRD167J-222	2.2K	1/6W	CARBON	
	R728	QRD167J-222	2.2K	1/6W	CARBON	
	R729	QRD167J-102	1K	1/6W	CARBON	
	R731	QRD167J-823	82K	1/6W	CARBON	
	R732	QRD167J-823	82K	1/6W	CARBON	
	R751	QVPA601-501A	500		VARIABLE	
	R752	QVPA601-501A	500		VARIABLE	

⚠ : SAFETY PARTS

RESISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R753	QRD167J-152	1.5K	1/6W	CARBON	
	R754	QRD167J-152	1.5K	1/6W	CARBON	
	R755	QRD167J-391	390	1/6W	CARBON	
	R756	QRD167J-391	390	1/6W	CARBON	
	R757	ERT-D2WHL202S	2K	1/4W	THERMISTOR	C
	R757	ERT-D2WHL202S	2K	1/4W	THERMISTOR	D
	R757	ERT-D2WHL202S	2K	1/4W	THERMISTOR	E
	R758	ERT-D2WHL202S	2K	1/4W	THERMISTOR	C
	R758	ERT-D2WHL202S	2K	1/4W	THERMISTOR	D
	R758	ERT-D2WHL202S	2K	1/4W	THERMISTOR	E
⚠	R759	QRD14CJ-100S	10	1/4W	UNF.CARBON	
⚠	R760	QRD14CJ-100S	10	1/4W	UNF.CARBON	
⚠	R761	QRD14CJ-100S	10	1/4W	UNF.CARBON	
⚠	R762	QRD14CJ-100S	10	1/4W	UNF.CARBON	
	R767	QRD167J-201	200	1/6W	CARBON	A
	R767	QRD167J-201	200	1/6W	CARBON	B
	R767	QRD167J-820	82	1/6W	CARBON	C
	R767	QRD167J-820	82	1/6W	CARBON	D
	R767	QRD167J-820	82	1/6W	CARBON	E
	R768	QRD167J-201	200	1/6W	CARBON	A
	R768	QRD167J-201	200	1/6W	CARBON	B
	R768	QRD167J-820	82	1/6W	CARBON	C
	R768	QRD167J-820	82	1/6W	CARBON	D
	R768	QRD167J-820	82	1/6W	CARBON	E
	R769	QRD167J-201	200	1/6W	CARBON	A
	R769	QRD167J-201	200	1/6W	CARBON	B
	R769	QRD167J-820	82	1/6W	CARBON	C
	R769	QRD167J-820	82	1/6W	CARBON	D
	R769	QRD167J-820	82	1/6W	CARBON	E
	R770	QRD167J-201	200	1/6W	CARBON	A
	R770	QRD167J-201	200	1/6W	CARBON	B
	R770	QRD167J-820	82	1/6W	CARBON	C
	R770	QRD167J-820	82	1/6W	CARBON	D
	R770	QRD167J-820	82	1/6W	CARBON	E
	R771	QRD167J-910	91	1/6W	CARBON	A
	R771	QRD167J-910	91	1/6W	CARBON	B
	R771	QRD167J-151	150	1/6W	CARBON	C
	R771	QRD167J-151	150	1/6W	CARBON	D
	R771	QRD167J-151	150	1/6W	CARBON	E
	R772	QRD167J-910	91	1/6W	CARBON	A
	R772	QRD167J-910	91	1/6W	CARBON	B
	R772	QRD167J-151	150	1/6W	CARBON	C
	R772	QRD167J-151	150	1/6W	CARBON	D
	R772	QRD167J-151	150	1/6W	CARBON	E
	R773	QRD167J-910	91	1/6W	CARBON	A
	R773	QRD167J-910	91	1/6W	CARBON	B
	R773	QRD167J-151	150	1/6W	CARBON	C
	R773	QRD167J-151	150	1/6W	CARBON	D
	R773	QRD167J-151	150	1/6W	CARBON	E
	R774	QRD167J-910	91	1/6W	CARBON	A
	R774	QRD167J-910	91	1/6W	CARBON	B
	R774	QRD167J-151	150	1/6W	CARBON	C
	R774	QRD167J-151	150	1/6W	CARBON	D
	R774	QRD167J-151	150	1/6W	CARBON	E
	R775	ERT-D2WFL351S	350	1/4W	THERMISTOR	A
	R775	ERT-D2WFL351S	350	1/4W	THERMISTOR	B
	R776	ERT-D2WFL351S	350	1/4W	THERMISTOR	A
	R776	ERT-D2WFL351S	350	1/4W	THERMISTOR	B
	R777	ERT-D2WFL351S	350	1/4W	THERMISTOR	A
	R777	ERT-D2WFL351S	350	1/4W	THERMISTOR	B
	R778	ERT-D2WFL351S	350	1/4W	THERMISTOR	A
	R778	ERT-D2WFL351S	350	1/4W	THERMISTOR	B
⚠	R783	QRD14CJ-272S	2.7K	1/4W	UNF.CARBON	
⚠	R784	QRD14CJ-272S	2.7K	1/4W	UNF.CARBON	
⚠	R785	QRD14CJ-271S	270	1/4W	UNF.CARBON	
⚠	R786	QRD14CJ-271S	270	1/4W	UNF.CARBON	
⚠	R787	ERF032K-R22	0.22	3W	CEMENT	
⚠	R788	ERF032K-R22	0.22	3W	CEMENT	
⚠	R789	QRD14CJ-100S	10	1/4W	UNF.CARBON	A
⚠	R789	QRZ0077-100	10	1/4W	FUSIBLE	B
⚠	R789	QRZ0077-100	10	1/4W	FUSIBLE	C
⚠	R789	QRZ0077-100	10	1/4W	FUSIBLE	D
⚠	R789	QRZ0077-100	10	1/4W	FUSIBLE	E
⚠	R790	QRD14CJ-100S	10	1/4W	UNF.CARBON	A
⚠	R790	QRZ0077-100	10	1/4W	FUSIBLE	B
⚠	R790	QRZ0077-100	10	1/4W	FUSIBLE	C
⚠	R790	QRZ0077-100	10	1/4W	FUSIBLE	D
⚠	R790	QRZ0077-100	10	1/4W	FUSIBLE	E
⚠	R791	QRD14CJ-100S	10	1/4W	UNF.CARBON	A
⚠	R791	QRZ0077-100	10	1/4W	FUSIBLE	B
⚠	R791	QRZ0077-100	10	1/4W	FUSIBLE	C
⚠	R791	QRZ0077-100	10	1/4W	FUSIBLE	D
⚠	R791	QRZ0077-100	10	1/4W	FUSIBLE	E
⚠	R792	QRD14CJ-100S	10	1/4W	UNF.CARBON	A
⚠	R792	QRZ0077-100	10	1/4W	FUSIBLE	B
⚠	R792	QRZ0077-100	10	1/4W	FUSIBLE	C
⚠	R792	QRZ0077-100	10	1/4W	FUSIBLE	D
⚠	R792	QRZ0077-100	10	1/4W	FUSIBLE	E
⚠	R793	QRD125J-330	33	1/2W	UNF.CARBON	
⚠	R794	QRD125J-330	33	1/2W	UNF.CARBON	
⚠	R795	QRG022J-100A	10	2W	O.M.FILM	
⚠	R796	QRG022J-100A	10	2W	O.M.FILM	
⚠	R797	QRD14CJ-330S	33	1/4W	UNF.CARBON	A
⚠	R797	QRZ0077-330	33	1/4W	FUSIBLE	B
⚠	R797	QRZ0077-330	33	1/4W	FUSIBLE	C

⚠ : SAFETY PARTS

RESISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R797	QRZ0077-330	33	1/4W	FUSIBLE	D
⚠	R797	QRZ0077-330	33	1/4W	FUSIBLE	E
⚠	R798	QRD14CJ-330S	33	1/4W	UNF.CARBON	A
⚠	R798	QRZ0077-330	33	1/4W	FUSIBLE	B
⚠	R798	QRZ0077-330	33	1/4W	FUSIBLE	C
⚠	R798	QRZ0077-330	33	1/4W	FUSIBLE	D
⚠	R798	QRZ0077-330	33	1/4W	FUSIBLE	E
⚠	R802	QRG022J-821AM	820	2W	O.M.FILM	A
⚠	R802	QRG022J-821AM	820	2W	O.M.FILM	B
⚠	R802	QRG022J-821AM	820	2W	O.M.FILM	C
⚠	R802	QRG022J-121A	120	2W	O.M.FILM	D
⚠	R802	QRG022J-121A	120	2W	O.M.FILM	E
⚠	R803	QRG022J-102AF	1K	2W	O.M.FILM	A
⚠	R803	QRG022J-102AF	1K	2W	O.M.FILM	B
⚠	R803	QRG022J-102AF	1K	2W	O.M.FILM	C
⚠	R804	QRG012J-562A	5.6K	1W	O.M.FILM	A
⚠	R804	QRG012J-562A	5.6K	1W	O.M.FILM	B
⚠	R804	QRD125J-562	5.6K	1/2W	UNF.CARBON	C
⚠	R804	QRD125J-472	4.7K	1/2W	UNF.CARBON	D
⚠	R804	QRD125J-472	4.7K	1/2W	UNF.CARBON	E
⚠	R805	QRG012J-472A	4.7K	1W	O.M.FILM	A
⚠	R805	QRG012J-472A	4.7K	1W	O.M.FILM	B
⚠	R805	QRD125J-472	4.7K	1/2W	UNF.CARBON	C
⚠	R805	QRD125J-392	3.9K	1/2W	UNF.CARBON	D
⚠	R805	QRD125J-392	3.9K	1/2W	UNF.CARBON	E
⚠	R806	QRD14CJ-121S	120	1/4W	UNF.CARBON	A
⚠	R806	QRZ0077-121	120	1/4W	FUSIBLE	B
⚠	R806	QRZ0077-121	120	1/4W	FUSIBLE	C
⚠	R806	QRZ0077-121	120	1/4W	FUSIBLE	D
⚠	R806	QRZ0077-121	120	1/4W	FUSIBLE	E
⚠	R808	QRG022J-561A	560	2W	O.M.FILM	A
⚠	R808	QRG022J-561A	560	2W	O.M.FILM	B
⚠	R808	QRG022J-561A	560	2W	O.M.FILM	C
⚠	R808	QRG022J-181A	180	2W	O.M.FILM	D
⚠	R808	QRG022J-181A	180	2W	O.M.FILM	E
⚠	R809	QRG022J-561A	560	2W	O.M.FILM	A
⚠	R809	QRG022J-561A	560	2W	O.M.FILM	B
⚠	R809	QRG022J-561A	560	2W	O.M.FILM	C
⚠	R809	QRG022J-181A	180	2W	O.M.FILM	D
⚠	R809	QRG022J-181A	180	2W	O.M.FILM	E
⚠	R810	QRG022J-561A	560	2W	O.M.FILM	A
⚠	R810	QRG022J-561A	560	2W	O.M.FILM	B
⚠	R810	QRG022J-561A	560	2W	O.M.FILM	C
⚠	R811	QRD125J-822	8.2K	1/2W	UNF.CARBON	A
⚠	R811	QRD125J-822	8.2K	1/2W	UNF.CARBON	B
⚠	R811	QRD125J-822	8.2K	1/2W	UNF.CARBON	C
⚠	R811	QRD125J-472	4.7K	1/2W	UNF.CARBON	D
⚠	R811	QRD125J-472	4.7K	1/2W	UNF.CARBON	E
⚠	R812	QRD125J-180	18	1/2W	UNF.CARBON	A
⚠	R812	QRD125J-180	18	1/2W	UNF.CARBON	B
⚠	R812	QRD125J-180	18	1/2W	UNF.CARBON	C
⚠	R813	QRG022J-121A	120	2W	O.M.FILM	A
⚠	R813	QRG022J-101A	100	2W	O.M.FILM	B
⚠	R813	QRG022J-101A	100	2W	O.M.FILM	C
⚠	R813	QRG022J-101A	100	2W	O.M.FILM	D
⚠	R813	QRG022J-101A	100	2W	O.M.FILM	E
⚠	R814	QRD14CJ-220S	22	1/4W	UNF.CARBON	A
⚠	R814	QRZ0077-220	22	1/4W	FUSIBLE	B
⚠	R814	QRZ0077-220	22	1/4W	FUSIBLE	C
⚠	R814	QRZ0077-220	22	1/4W	FUSIBLE	D
⚠	R814	QRZ0077-220	22	1/4W	FUSIBLE	E
	R815	QRG012J-822A	8.2K	1W	O.M.FILM	A
	R815	QRG012J-822A	8.2K	1W	O.M.FILM	B
⚠	R815	QRD125J-822	8.2K	1/2W	UNF.CARBON	C
⚠	R815	QRD125J-822	8.2K	1/2W	UNF.CARBON	D
⚠	R786	QRD14CJ-271S	270	1/4W	UNF.CARBON	
⚠	R787	ERF032K-R22	0.22	3W	CEMENT	
⚠	R788	ERF032K-R22	0.22	3W	CEMENT	
⚠	R789	QRD14CJ-100S	10	1/4W	UNF.CARBON	A
⚠	R815	QRD125J-822	8.2K	1/2W	UNF.CARBON	E
⚠	R817	QRG022J-471A	470	2W	O.M.FILM	A
⚠	R817	QRG022J-471A	470	2W	O.M.FILM	B
⚠	R817	QRG022J-471A	470	2W	O.M.FILM	C
⚠	R817	QRG022J-101A	100	2W	O.M.FILM	D
⚠	R817	QRG022J-101A	100	2W	O.M.FILM	E
⚠	R819	QRZ0077-270	27	1/4W	FUSIBLE	A
⚠	R819	QRZ0077-470	47	1/4W	FUSIBLE	B
⚠	R819	QRZ0077-470	47	1/4W	FUSIBLE	C
⚠	R819	QRZ0077-470	47	1/4W	FUSIBLE	D
⚠	R819	QRZ0077-470	47	1/4W	FUSIBLE	E
	R820	QRG012J-822A	8.2K	1W	O.M.FILM	A
	R820	QRG012J-822A	8.2K	1W	O.M.FILM	B
⚠	R820	QRD125J-822	8.2K	1/2W	UNF.CARBON	C
⚠	R820	QRD125J-682	6.8K	1/2W	UNF.CARBON	D
⚠	R820	QRD125J-682	6.8K	1/2W	UNF.CARBON	E
⚠	R821	QRX022J-2R2A	2.2	2W	M.FILM	
⚠	R822	QRX022J-2R2A	2.2	2W	M.FILM	
	R841	QRD167J-104	100K	1/6W	CARBON	
	R842	QRD167J-104	100K	1/6W	CARBON	
⚠	R843	QRD125J-2R2	2.2	1/2W	UNF.CARBON	
⚠	R844	QRD125J-2R2	2.2	1/2W	UNF.CARBON	
⚠	R861	QRD14CJ-100S	10	1/4W	UNF.CARBON	A
⚠	R861	QRD14CJ-100S	10	1/4W	UNF.CARBON	B
⚠	R861	QRZ0076-3R3	3.3	1/4W	FUSIBLE	C

⚠ : SAFETY PARTS

RESISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
⚠	R861	QRZ0077-220	22	1/4W	FUSIBLE	D
⚠	R861	QRZ0077-270	27	1/4W	FUSIBLE	E
	R863	QRD167J-821	820	1/6W	CARBON	A
	R863	QRD167J-821	820	1/6W	CARBON	B
	R863	QRD167J-821	820	1/6W	CARBON	C
⚠	R863	QRV144F-8200		1/4W	M.FILM	D
⚠	R863	QRV144F-8200		1/4W	M.FILM	E
⚠	R864	QRG012J-332A	3.3K	1W	O.M.FILM	C
	R865	QRD167J-200	20	1/6W	CARBON	E
	R901	QRD167J-681	680	1/6W	CARBON	
	R902	QRD167J-681	680	1/6W	CARBON	
	R903	QRD167J-562	5.6K	1/6W	CARBON	
	R904	QRD167J-562	5.6K	1/6W	CARBON	
	R905	QRD167J-123	12K	1/6W	CARBON	
	R906	QRD167J-123	12K	1/6W	CARBON	
	R907	QRD167J-152	1.5K	1/6W	CARBON	
	R908	QRD167J-152	1.5K	1/6W	CARBON	
	R909	QRD167J-103	10K	1/6W	CARBON	
	R911	QRD167J-332	3.3K	1/6W	CARBON	
	R912	QRD167J-473	47K	1/6W	CARBON	
	R913	QRD167J-104	100K	1/6W	CARBON	
	R914	QRD167J-823	82K	1/6W	CARBON	
	R915	QRD167J-473	47K	1/6W	CARBON	
	R916	QRD167J-563	56K	1/6W	CARBON	
	R917	QRD167J-683	68K	1/6W	CARBON	
	R918	QRD167J-392	3.9K	1/6W	CARBON	
	R921	QRD167J-224	220K	1/6W	CARBON	
	R922	QRD167J-182	1.8K	1/6W	CARBON	
⚠	R924	QRG022J-182A	1.8K	2W	O.M.FILM	A
⚠	R924	QRG022J-182A	1.8K	2W	O.M.FILM	B
⚠	R924	QRG022J-122A	1.2K	2W	O.M.FILM	C
⚠	R924	QRG022J-821AM	820	2W	O.M.FILM	D
⚠	R924	QRG022J-821AM	820	2W	O.M.FILM	E
	R925	QRD167J-121	120	1/6W	CARBON	A
	R925	QRD167J-121	120	1/6W	CARBON	B
	R925	QRD167J-750	75	1/6W	CARBON	C
	R926	QRD167J-151	150	1/6W	CARBON	A
	R926	QRD167J-151	150	1/6W	CARBON	B
⚠	R931	QRD14CJ-330S	33	1/4W	UNF.CARBON	
	R935	QRD167J-562	5.6K	1/6W	CARBON	
	R936	QRD167J-822	8.2K	1/6W	CARBON	
	R937	QRD167J-103	10K	1/6W	CARBON	
⚠	R941	QRG022J-471A	470	2W	O.M.FILM	
⚠	R942	QRG022J-471A	470	2W	O.M.FILM	

OTHERS

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		ｸﾊﾞﾘｽ		
		ｾﾂﾁﾔｸｻﾞｲ		
		E307874-001SM	HEAT SINK BRACKET	
		E307874-002SM	HEAT SINK BRACKET	
		E65508-002	TAB	
		E70306-001	HEAT SINK	
		E73525-003	SCREW	
		GBSG3008CC	SCREW	
		SBSG3008CC	SCREW	
		SBSG3010CC	SCREW	
		E308271-001	HEAT SINK	A
		VMZ0087-001	FUSE CLIP	A
		E308271-001	HEAT SINK	B
		VMZ0087-001	FUSE CLIP	B
		E308271-003	HEAT SINK	C
		E70945-H40B	HEAT SINK	C
⚠		QSR0085-018	VOLTAGE SELECTOR	C
		SBST3008CC	SCREW	C
		VMZ0087-001	FUSE CLIP	C
		E308271-003	HEAT SINK	D
		E67132-T2R0	FUSE LABEL	D
		VMZ0087-001	FUSE CLIP	D
		E308271-003	HEAT SINK	E
		E67132-T2R0	FUSE LABEL	E
		VMZ0087-001	FUSE CLIP	E
	J001	EMV5137-002	PLUG ASSY (2PIN FUSE)	C
	J002	EMV5137-002	PLUG ASSY (2PIN FUSE)	D
	J002	EMV5137-002	PLUG ASSY (2PIN FUSE)	E
	J003	E70225-001	EARTH PLATE	
⚠	J004	QMCA002-E02S	AC OUTLET	A
⚠	J004	QMCA002-E02S	AC OUTLET	B
	J004	QMCA002-E01S	AC OUTLET	C
	J301	EMN00TV-414AJ2	4P PIN JACK (PHONO/CD)	
	J302	EMN00TV-413AJ2	4P PIN JACK (TAPE 1)	
	J303	EMN00TV-413AJ2	4P PIN JACK (TAPE 2)	
	J901	QMS6A40-021	HEADPHONE JACK	
	L331	EQL4007-220	INDUCTOR	
	L751	EQL0101-1R2	INDUCTOR	
	L752	EQL0101-1R2	INDUCTOR	
	P805	EMV7122-103	CONNECTOR (3PIN AC CONTROL)	

⚠ : SAFETY PARTS

OTHERS

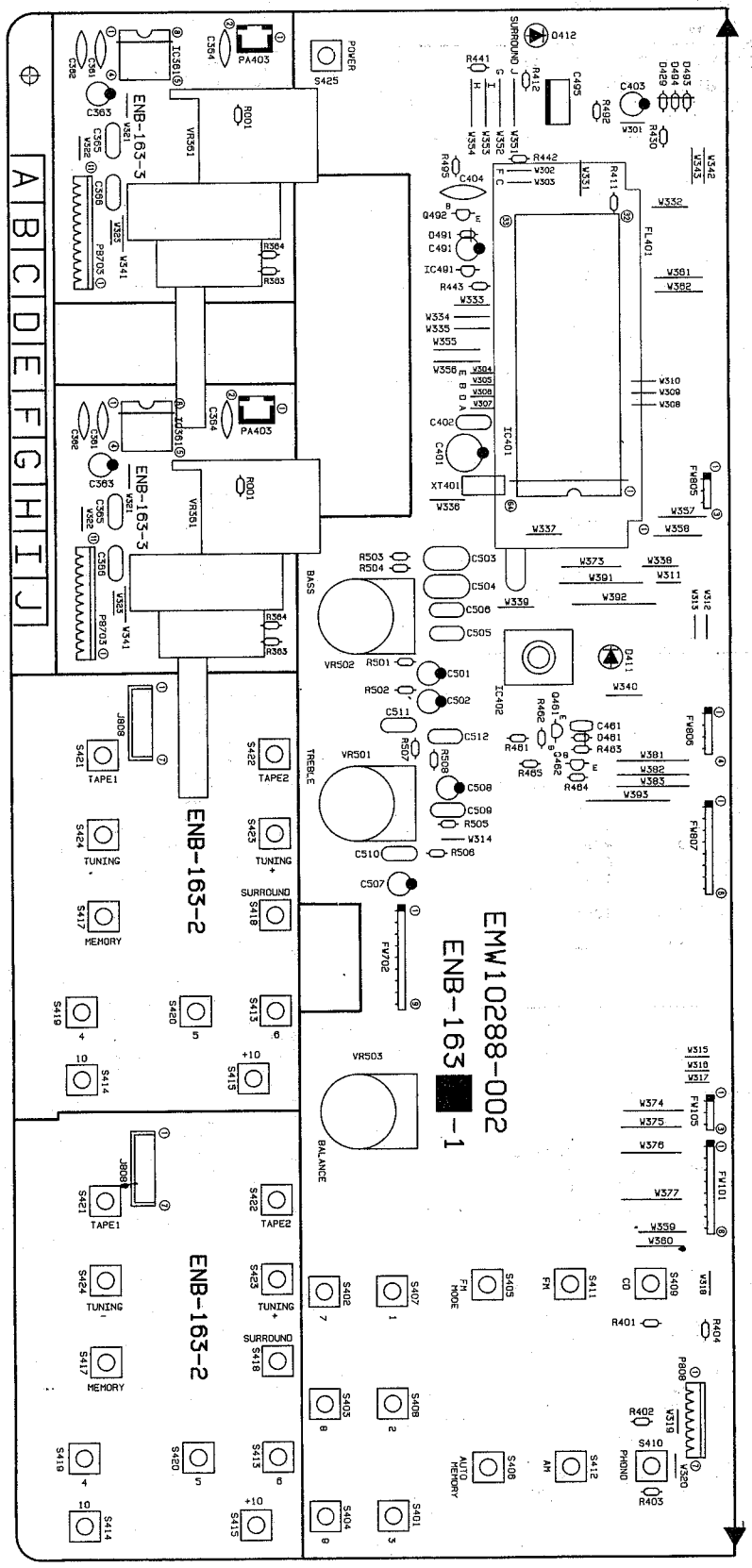
⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	P806	EMV7122-004	CONNECTOR(4PIN FL POWER)	
⚠	T002	ETP1000-41JA	POWER TRANSFORMER	A
⚠	T002	ETP1000-41JA	POWER TRANSFORMER	B
⚠	T002	ETP1000-41ZB	POWER TRANSFORMER	C
⚠	T002	ETP1000-41EA	POWER TRANSFORMER	D
⚠	T002	ETP1000-41EA	POWER TRANSFORMER	E
	EP801	E70859-001	EARTH PLATE	
	FW103	EWR36B-25KST	FLAT WIRE(6IN TUNER AUDIO)	
	FW801	EWR36E-25SST	FLAT WIRE(6PIN POWER SECONDARY)	
	FW902	EWR35E-40SST	FLAT WIRE(5PIN SPEAKER SWITCH)	
	FW903	EWR36E-55SST	FLAT WIRE(6PIN SPEAKER TERMINAL)	
	JT001	EMV7122-004	CONNECTOR(4PIN P702)	
	JT002	EMV7122-005	CONNECTOR(5PIN P702)	
	JT003	EMV7122-004	CONNECTOR(4PIN P807)	
	JT004	EMV7122-004	CONNECTOR(4PIN P807)	
	PA703	EMV5109-011A	PLUG ASSY(11PIN TO VOLUME PCB)	
	PB403	EMV5103-002B	PLUG ASSY(2PIN VOLUME LED)	
	RY001	ESK1D12-118J1	RELAY	
	RY901	ESK7D24-2120	RELAY	
	ST901	EMB90TV-801A	SPEAKER TERMINAL	
	SW901	QST4241-E05J2	PUSH SWITCH(SPEAKER 1)	

⚠ : SAFETY PARTS

■ENB-163 □ Front, Tone control & Volume PC Board

Note : ENB-163 □ varies according to the areas employed. See note (1) when placing an order.

※ All printed circuit board assemblies are not arailable as service parts.



Note (1)

PC Board Ass'y	Designated Areas
ENB-163 [A]	the U.S.A Canada
ENB-163 [B]	Universal Type Taiwan
ENB-163 [C]	Continental Europe Scandinavia
ENB-163 [D]	Australia

TRANSISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
	Q461	2SC1740S(R,S)	SILICON	ROHM	
	Q462	2SC1740S(R,S)	SILICON	ROHM	
	Q492	DTC114YS	SILICON	ROHM	

I. C. S.

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
	IC361	LB1639-CV	I.C.	SANYO	
	IC401	MN171202JPY1	I.C.	MATSUSHITA	
	IC402	NJH32H380A	I.C.	DAINICHI	
	IC491	MN1281(P,Q)	I.C.	MATSUSHITA	

DIODES

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
	D411	SLR-54VC50F124	L.E.D.	ROHM	
	D412	SLR-34DC50F124	L.E.D.	ROHM	
	D429	1SS133	SILICON	ROHM	
	D461	1SS133	SILICON	ROHM	
	D491	1SS133	SILICON	ROHM	
	D493	1SS133	SILICON	ROHM	
	D494	1SS133	SILICON	ROHM	

CAPACITORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	C361	QCY21HK-331	330PF	50V	CERAMIC	
	C362	QCY21HK-331	330PF	50V	CERAMIC	
	C363	QETBOJM-107	100MF	6.3V	ELECTRO	
	C364	QCF21HP-473	0.047MF	50V	CERAMIC	
	C365	QFLB1HJ-104	0.1MF	50V	MYLAR	
	C366	QFLB1HJ-104	0.1MF	50V	MYLAR	
	C401	QEK51AM-227	220MF	10V	ELECTRO	
	C402	QCZ0202-155	1.5MF	25V	CERAMIC	
	C403	QEK51HM-475	4.7MF	50V	ELECTRO	
	C404	QCY21HK-102	1000PF	50V	CERAMIC	
	C491	QER51HM-225G	2.2MF	50V	ELECTRO	
	C495	QEADOHZ-479A	47000MF		ELECTRO	
	C501	QEK51HM-105G	1MF	50V	ELECTRO	
	C502	QEK51HM-105G	1MF	50V	ELECTRO	
	C503	QFLB1HJ-823	0.082MF	50V	MYLAR	
	C504	QFLB1HJ-823	0.082MF	50V	MYLAR	
	C505	QFLB1HJ-153	0.015MF	50V	MYLAR	
	C506	QFLB1HJ-153	0.015MF	50V	MYLAR	
	C507	QETB1HM-105	1MF	50V	ELECTRO	
	C508	QETB1HM-105	1MF	50V	ELECTRO	
	C509	QFLB1HJ-332	3300PF	50V	MYLAR	
	C510	QFLB1HJ-332	3300PF	50V	MYLAR	
	C511	QFLB1HJ-183	0.018MF	50V	MYLAR	
	C512	QFLB1HJ-183	0.018MF	50V	MYLAR	

⚠ : SAFETY PARTS

RESISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION			AREA
	R001	QRD167J-104	100K	1/6W	CARBON	
	R363	QRD167J-682	6.8K	1/6W	CARBON	
	R364	QRD167J-682	6.8K	1/6W	CARBON	
	R401	QRD167J-104	100K	1/6W	CARBON	
	R402	QRD167J-104	100K	1/6W	CARBON	
	R403	QRD167J-104	100K	1/6W	CARBON	
	R404	QRD167J-104	100K	1/6W	CARBON	
	R411	QRD161J-221	220	1/6W	CARBON	
	R412	QRD161J-221	220	1/6W	CARBON	
	R430	QRD167J-3R9	3.9	1/6W	CARBON	
	R441	QRD167J-473	47K	1/6W	CARBON	
	R442	QRD167J-473	47K	1/6W	CARBON	B
	R443	QRD167J-473	47K	1/6W	CARBON	
	R461	QRD167J-103	10K	1/6W	CARBON	
	R462	QRD167J-223	22K	1/6W	CARBON	
	R463	QRD167J-473	47K	1/6W	CARBON	
	R464	QRD167J-471	470	1/6W	CARBON	
	R465	QRD167J-103	10K	1/6W	CARBON	
	R492	QRD167J-331	330	1/6W	CARBON	
	R495	QRD167J-473	47K	1/6W	CARBON	
	R501	QRD167J-203	20K	1/6W	CARBON	
	R502	QRD167J-203	20K	1/6W	CARBON	
	R503	QRD167J-362	3.6K	1/6W	CARBON	
	R504	QRD167J-362	3.6K	1/6W	CARBON	
	R505	QRD167J-472	4.7K	1/6W	CARBON	
	R506	QRD167J-472	4.7K	1/6W	CARBON	
	R507	QRD167J-821	820	1/6W	CARBON	
	R508	QRD167J-821	820	1/6W	CARBON	
	VR361	QVDB91B-E15F	100K		VARIABLE	
	VR501	QVDB92C-E15CJ3	100K		VARIABLE	
	VR502	QVDB92C-E15CJ3	100K		VARIABLE	
	VR503	QVDA92W-E15EJ3	100K		VARIABLE	

OTHERS

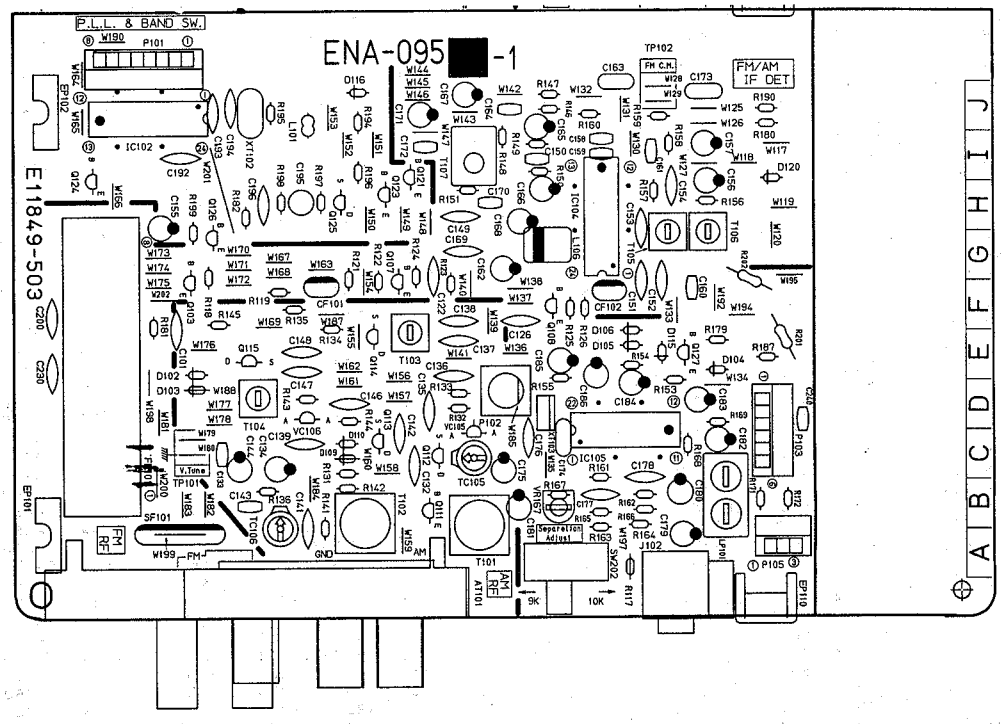
⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
		E308270-001	FL HOLDER	
		E3400-444	FELT SPACER	
	J808	EMV5109-007A	PLUG ASSY(7PIN KEY MATRIX)	
	P808	EWS267-G416J2	SOCKET WIRE(7PIN FRONT PCB)	
	S401	ESP0001-023M	TACT SWITCH(3)	
	S402	ESP0001-023M	TACT SWITCH(7)	
	S403	ESP0001-023M	TACT SWITCH(8)	
	S404	ESP0001-023M	TACT SWITCH(9)	
	S405	ESP0001-023M	TACT SWITCH(FM MODE)	
	S406	ESP0001-023M	TACT SWITCH(AUTO MEMORY)	
	S407	ESP0001-023M	TACT SWITCH(1)	
	S408	ESP0001-023M	TACT SWITCH(2)	
	S409	ESP0001-023M	TACT SWITCH(CD)	
	S410	ESP0001-023M	TACT SWITCH(PHONO)	
	S411	ESP0001-023M	TACT SWITCH(FM)	
	S412	ESP0001-023M	TACT SWITCH(AM)	
	S413	ESP0001-023M	TACT SWITCH(6)	
	S414	ESP0001-023M	TACT SWITCH(10)	
	S415	ESP0001-023M	TACT SWITCH(+10)	
	S417	ESP0001-023M	TACT SWITCH(MEMORY)	
	S418	ESP0001-023M	TACT SWITCH(SURROUND)	
	S419	ESP0001-023M	TACT SWITCH(4)	
	S420	ESP0001-023M	TACT SWITCH(5)	
	S421	ESP0001-023M	TACT SWITCH(TAPE 1)	
	S422	ESP0001-023M	TACT SWITCH(TAPE 2 MONITOR)	
	S423	ESP0001-023M	TACT SWITCH(F.UP)	
	S424	ESP0001-023M	TACT SWITCH(F.DOWN)	
	S425	ESP0001-023M	TACT SWITCH(POWER)	
	FL401	ELU0001-143	FL TUBE	
	FW101	EWR38B-40KST	FLAT WIRE(8PIN) TUNER CONTROL	
	FW105	EWR33B-35KST	FLAT WIRE(3PIN) CHANNEL SPACE	B
	FW702	EWR39B-35LST	FLAT WIRE(9PIN) TONE CONTROL	
	FW805	EWR33B-30LST	FLAT WIRE(3PIN) AC CONTROL	
	FW806	EWR34B-35LST	FLAT WIRE(4PIN) FILAMENT	
	FW807	EWR38B-35LST	FLAT WIRE(8PIN) TO SOURCE SELECTOR	
	PA403	EMV5103-002A	PLUG ASSY	
	PB703	EWS29B-1734	SOCKET WIRE(2PIN) VOLUME INDICATOR	
	XT401	ECX0060-000EM	RESONATOR(11PIN) VOLUME	

⚠ : SAFETY PARTS

■ENA-095 ☐ Tuner PC Board Ass'y

Note : ENA-095 ☐ varies according to the areas employed. See note (1) when placing an order.

※ All printed circuit board assemblies are not arailable as service parts.



Note (1)

PC Board Ass'y	Designated Areas
ENA-095 [H]	the U.S.A Canada
ENA-095 [I]	Universal Type Taiwan
ENA-095 [K]	Continental Europe Scandinavia
ENA-095 [J]	Australia

TRANSISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
	Q103	2SC461(B,C)	SILICON	HITACHI	
	Q107	2SC535(B,C)	SILICON	HITACHI	
	Q108	2SC461(B,C)	SILICON	HITACHI	
	Q111	2SD1302(S,T)	SILICON	MATSUSHITA	K
	Q112	2SK301(Q,R)	F.E.T	MATSUSHITA	
	Q113	2SK301(Q,R)	F.E.T	MATSUSHITA	K
	Q114	2SK301(P,Q)	F.E.T	MATSUSHITA	K
	Q115	2SK301(P,Q)	F.E.T	MATSUSHITA	K
	Q121	AN1A4P	SILICON	NEC	K
	Q123	AN1A4P	SILICON	NEC	
	Q124	AN1A4P	SILICON	NEC	
	Q125	2SK301(Q2)	F.E.T	MATSUSHITA	
	Q126	2SC458(D)	SILICON	HITACHI	
	Q127	AA1L4M	SILICON	NEC	

⚠ : SAFETY PARTS

I. C. S.

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
	IC102	LC7218	I.C.	SANYO	
	IC104	LA1266A	I.C.	SANYO	
	IC105	LA3401	I.C.	SANYO	

DIODES

⚠	ITEM	PART NUMBER	DESCRIPTION		AREA
	D102	1SS119	SILICON	HITACHI	K
	D103	1SS119	SILICON	HITACHI	K
	D104	1SS119	SILICON	HITACHI	
	D105	1SS119	SILICON	HITACHI	
	D106	1SS119	SILICON	HITACHI	
	D109	1SS119	SILICON	HITACHI	K
	D110	1SS119	SILICON	HITACHI	K
	D115	1SS119	SILICON	HITACHI	
	D116	1SS119	SILICON	HITACHI	
	D120	1SS119	SILICON	HITACHI	
	VC105	SVC342(L)	VARICAP	SANYO	
	VC106	SVC342(L)	VARICAP	SANYO	K

⚠ : SAFETY PARTS

CAPACITORS

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	C101	QCF21HP-223	0.022MF 50V CERAMIC	
	C122	QCF21HP-223	0.022MF 50V CERAMIC	
	C126	QCF21HP-223	0.022MF 50V CERAMIC	
	C132	QCS21HJ-561	560PF 50V CERAMIC	
	C133	QCHB1EZ-223	0.022MF 25V CERAMIC	
	C134	QETB1EM-106	10MF 25V ELECTRO	
	C135	QCC21EM-223	0.022MF 25V CERAMIC	
	C136	QCT26CH-180	18PF 50V CERAMIC	
	C137	QCT26CH-221	220PF 50V CERAMIC	
	C138	QCT26CH-241	240PF 50V CERAMIC	
	C139	QCC21EM-223	0.022MF 25V CERAMIC	K
	C141	QCS21HJ-270	27PF 50V CERAMIC	K
	C142	QCY21HK-272	2700PF 50V CERAMIC	K
	C143	QCHB1EZ-223	0.022MF 25V CERAMIC	K
	C144	QETB1EM-106	10MF 25V ELECTRO	K
	C146	QCT26CH-680	68PF 50V CERAMIC	K
	C147	QCT26CH-220	22PF 50V CERAMIC	K
	C148	QCT26CH-121	120PF 50V CERAMIC	K
	C149	QCF21HP-223	0.022MF 50V CERAMIC	
	C150	QCHB1EZ-223	0.022MF 25V CERAMIC	
	C151	QCF21HP-223	0.022MF 50V CERAMIC	
	C152	QCF21HP-223	0.022MF 50V CERAMIC	
	C153	QCC21EM-223	0.022MF 25V CERAMIC	
	C154	QCF21HP-223	0.022MF 50V CERAMIC	
	C155	QETB1EM-226	22MF 25V ELECTRO	
	C156	QETB1HM-475	4.7MF 50V ELECTRO	
	C157	QETB1HM-474	0.47MF 50V ELECTRO	
	C158	QCBB1HK-101	100PF 50V CERAMIC	
	C159	QCBB1HK-101	100PF 50V CERAMIC	
	C160	QCBB1HK-221	220PF 50V CERAMIC	H
	C160	QCBB1HK-221	220PF 50V CERAMIC	I
	C160	QCBB1HK-221	220PF 50V CERAMIC	J
	C160	QCBB1HK-101	100PF 50V CERAMIC	K
	C161	QCHB1EZ-223	0.022MF 25V CERAMIC	
	C162	QETB1EM-106	10MF 25V ELECTRO	
	C163	QFLB1HJ-332	3300PF 50V MYLAR	
	C164	QCHB1EZ-223	0.022MF 25V CERAMIC	
	C165	QETB1HM-474	0.47MF 50V ELECTRO	
	C166	QETB1HM-225	2.2MF 50V ELECTRO	
	C167	QETB1HM-225	2.2MF 50V ELECTRO	
	C168	QETB1HM-475	4.7MF 50V ELECTRO	
	C169	QCF21HP-223	0.022MF 50V CERAMIC	
	C170	QCHB1EZ-223	0.022MF 25V CERAMIC	
	C171	QETB1EM-106	10MF 25V ELECTRO	
	C172	QCVB1CM-103	0.01MF 16V CERAMIC	
	C173	QFLB1HK-223	0.022MF 50V MYLAR	
	C174	QFLB1HK-473	0.047MF 50V MYLAR	
	C175	QETB1EM-106	10MF 25V ELECTRO	
	C176	QCY21HK-102	1000PF 50V CERAMIC	
	C177	QCS21HJ-561	560PF 50V CERAMIC	H
	C177	QCS21HJ-561	560PF 50V CERAMIC	I
	C177	QCS21HJ-271	270PF 50V CERAMIC	J
	C177	QCS21HJ-271	270PF 50V CERAMIC	K
	C178	QCS21HJ-561	560PF 50V CERAMIC	H
	C178	QCS21HJ-561	560PF 50V CERAMIC	I
	C178	QCS21HJ-271	270PF 50V CERAMIC	J
	C178	QCS21HJ-271	270PF 50V CERAMIC	K
	C179	QETB1HM-225	2.2MF 50V ELECTRO	
	C180	QETB1HM-225	2.2MF 50V ELECTRO	
	C181	QETB1EM-106	10MF 25V ELECTRO	
	C182	QETB1HM-225	2.2MF 50V ELECTRO	
	C183	QETB1HM-105	1MF 50V ELECTRO	
	C184	QETB1HM-105	1MF 50V ELECTRO	
	C185	QETB1HM-225	2.2MF 50V ELECTRO	
	C186	QETB1HM-474	0.47MF 50V ELECTRO	
	C192	QCC21EM-473	0.047MF 25V CERAMIC	
	C193	QCS21HJ-180	18PF 50V CERAMIC	
	C194	QCS21HJ-180	18PF 50V CERAMIC	
	C195	QEN51HM-474	0.47MF 50V NON POLE	
	C196	QCY21HK-102	1000PF 50V CERAMIC	
	C230	QCF21HP-103	0.01MF 50V CERAMIC	

⚠ : SAFETY PARTS

RESISTORS

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	R117	QRD167J-100	10 1/6W CARBON	
	R118	QRD167J-332	3.3K 1/6W CARBON	
	R119	QRD161J-221	220 1/6W CARBON	
	R121	QRD167J-391	390 1/6W CARBON	
	R122	QRD167J-272	2.7K 1/6W CARBON	
	R123	QRD167J-102	1K 1/6W CARBON	
	R124	QRD167J-681	680 1/6W CARBON	
	R125	QRD167J-332	3.3K 1/6W CARBON	
	R126	QRD161J-221	220 1/6W CARBON	
	R131	QRD167J-331	330 1/6W CARBON	
	R132	QRD167J-103	10K 1/6W CARBON	
	R133	QRD167J-473	47K 1/6W CARBON	
	R134	QRD167J-103	10K 1/6W CARBON	K
	R135	QRD167J-470	47 1/6W CARBON	
	R136	QRD167J-103	10K 1/6W CARBON	
	R141	QRD167J-472	4.7K 1/6W CARBON	K
	R142	QRD167J-331	330 1/6W CARBON	K
	R143	QRD167J-103	10K 1/6W CARBON	K
	R144	QRD167J-473	47K 1/6W CARBON	K
	R145	QRD167J-103	10K 1/6W CARBON	K
	R146	QRD167J-560	56 1/6W CARBON	
	R147	QRD167J-103	10K 1/6W CARBON	
	R148	QRD167J-103	10K 1/6W CARBON	
	R149	QRD167J-273	27K 1/6W CARBON	
	R150	QRD167J-103	10K 1/6W CARBON	
	R151	QRD167J-224	220K 1/6W CARBON	
	R153	QRD167J-103	10K 1/6W CARBON	
	R154	QRD167J-103	10K 1/6W CARBON	
	R155	QRD167J-562	5.6K 1/6W CARBON	
	R156	QRD167J-822	8.2K 1/6W CARBON	
	R157	QRD167J-103	10K 1/6W CARBON	
	R158	QRD167J-183	18K 1/6W CARBON	H
	R158	QRD167J-333	33K 1/6W CARBON	I
	R158	QRD167J-333	33K 1/6W CARBON	J
	R158	QRD167J-333	33K 1/6W CARBON	K
	R159	QRD167J-561	560 1/6W CARBON	
	R160	QRD167J-123	12K 1/6W CARBON	H
	R160	QRD167J-123	12K 1/6W CARBON	I
	R160	QRD167J-273	27K 1/6W CARBON	J
	R160	QRD167J-273	27K 1/6W CARBON	K
	R161	QRD167J-124	120K 1/6W CARBON	H
	R161	QRD167J-124	120K 1/6W CARBON	I
	R161	QRD167J-184	180K 1/6W CARBON	J
	R161	QRD167J-184	180K 1/6W CARBON	K
	R162	QRD167J-124	120K 1/6W CARBON	H
	R162	QRD167J-124	120K 1/6W CARBON	I
	R162	QRD167J-184	180K 1/6W CARBON	J
	R162	QRD167J-184	180K 1/6W CARBON	K
	R163	QRD167J-332	3.3K 1/6W CARBON	
	R164	QRD167J-332	3.3K 1/6W CARBON	
	R165	QRD167J-184	180K 1/6W CARBON	H
	R165	QRD167J-184	180K 1/6W CARBON	I
	R165	QRD167J-274	270K 1/6W CARBON	J
	R165	QRD167J-274	270K 1/6W CARBON	K
	R166	QRD167J-184	180K 1/6W CARBON	H
	R166	QRD167J-184	180K 1/6W CARBON	I
	R166	QRD167J-274	270K 1/6W CARBON	J
	R166	QRD167J-274	270K 1/6W CARBON	K
	R167	QRD167J-473	47K 1/6W CARBON	H
	R167	QRD167J-473	47K 1/6W CARBON	I
	R168	QRD167J-103	10K 1/6W CARBON	
	R169	QRD167J-103	10K 1/6W CARBON	
	R171	QRD167J-682	6.8K 1/6W CARBON	
	R172	QRD167J-682	6.8K 1/6W CARBON	
	R179	QRD167J-562	5.6K 1/6W CARBON	
	R180	QRD167J-472	4.7K 1/6W CARBON	
	R181	QRD167J-222	2.2K 1/6W CARBON	
	R182	QRD167J-181	180 1/6W CARBON	
	R187	QRD167J-101	100 1/6W CARBON	
	R190	QRD167J-472	4.7K 1/6W CARBON	
	R194	QRD167J-472	4.7K 1/6W CARBON	
	R195	QRD167J-473	47K 1/6W CARBON	
	R196	QRD167J-103	10K 1/6W CARBON	H
	R196	QRD167J-103	10K 1/6W CARBON	I
	R196	QRD167J-103	10K 1/6W CARBON	J
	R196	QRD167J-222	2.2K 1/6W CARBON	K
	R197	QRD167J-222	2.2K 1/6W CARBON	
	R198	QRD167J-332	3.3K 1/6W CARBON	H
	R198	QRD167J-332	3.3K 1/6W CARBON	I
	R198	QRD167J-332	3.3K 1/6W CARBON	J
	R198	QRD167J-822	8.2K 1/6W CARBON	K
	R199	QRD167J-472	4.7K 1/6W CARBON	
⚠	R201	QRD145J-680S	68 1/4W UNF.CARBON	H
⚠	R201	QRZ0062-680	68 1/4W FUSIBLE	I
⚠	R201	QRZ0062-680	68 1/4W FUSIBLE	J
⚠	R201	QRZ0062-680	68 1/4W FUSIBLE	K
⚠	R202	QRD145J-470S	47 1/4W UNF.CARBON	H
⚠	R202	QRZ0062-470	47 1/4W FUSIBLE	I
⚠	R202	QRZ0062-470	47 1/4W FUSIBLE	J
⚠	R202	QRZ0062-470	47 1/4W FUSIBLE	K
	VR167	QVPE601-104	100K 0.15W VARIABLE	J
	VR167	QVPE601-104	100K 0.15W VARIABLE	K

⚠ : SAFETY PARTS

OTHERS

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	J102	QMS3501-021	MINI JACK(DCS TERMINAL)	
	L101	EQL4007-1R0T	INDUCTOR	
	L106	EQL3001-102K	INDUCTOR	
	P101	EMV7112-008	CONNECTOR(8PIN CONTROL)	
	P103	EMV7112-006	CONNECTOR(6PIN AUDIO)	
	P105	EMV7112-003	CONNECTOR(3PIN CHANNEL SPACE)	I
	T101	EQR1111-014	AM RF COIL	
	T102	EQR1111-005	AM RF COIL	K
	T103	EQR1207-015	MW OSC COIL	
	T104	EQR1307-009	LW OSC COIL	K
	T105	EQT2140-012	I.F. TRANSFORMER	
	T106	EQT2140-013	I.F. TRANSFORMER	
	T107	ECB1560-006	CERAMIC FILTER	
	AT101	EMB41YV-401K	ANTENNA TERMINAL	H
	AT101	EMB41YV-401K	ANTENNA TERMINAL	I
	AT101	EMB41YV-401K	ANTENNA TERMINAL	J
	AT101	EMB41YV-301K	ANTENNA TERMINAL	K
	CF101	ECB2123-006R	CERAMIC FILTER	H
	CF101	ECB2123-006R	CERAMIC FILTER	I
	CF101	ECB2118-007R	CERAMIC FILTER	J

⚠ : SAFETY PARTS

OTHERS

⚠	ITEM	PART NUMBER	DESCRIPTION	AREA
	CF101	ECB2118-007R	CERAMIC FILTER	K
	CF102	ECB2123-006R	CERAMIC FILTER	H
	CF102	ECB2123-006R	CERAMIC FILTER	I
	CF102	ECB2118-007R	CERAMIC FILTER	J
	CF102	ECB2118-007R	CERAMIC FILTER	K
	EP101	E70859-001	EARTH PLATE	
	EP102	E70859-001	EARTH PLATE	
	EP110	E70225-001	EARTH PLATE	
	FE101	EAF2203-001	FRONT END	
	LP101	EQF0101-002	LOW PASS FILTER	
	SW202	QSS1201-039	SLIDE SWITCH(CHANNEL SPACE)	I
	TC105	ENZ1003-006	TRIMMER	
	TC106	ENZ1003-006	TRIMMER	K
	XT102	ECX0007-200KC	RESONATOR	
	XT103	ECX0000-456KR	RESONATOR	

⚠ : SAFETY PARTS

Accessories List

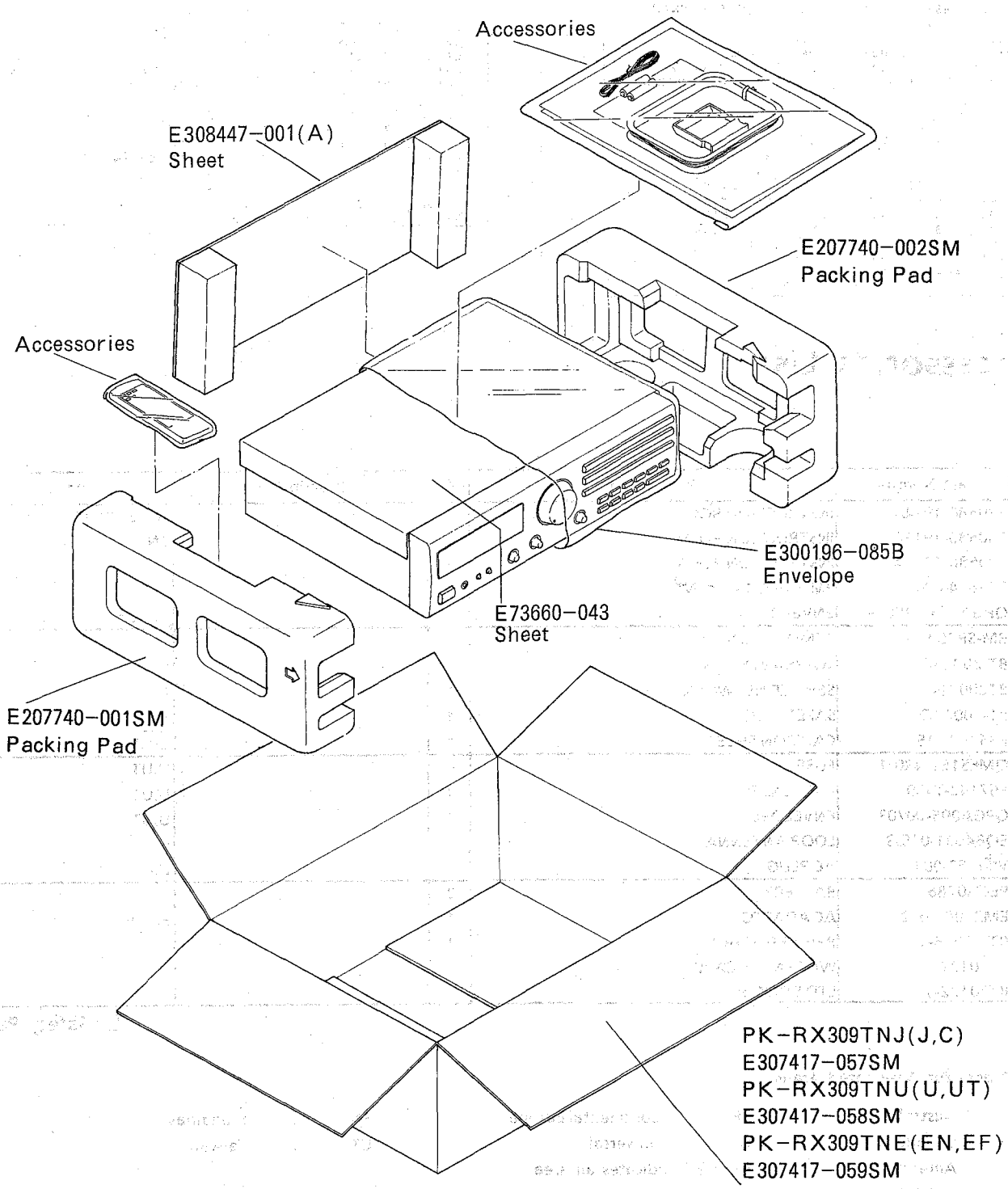
⚠	Part Number	Part Name	Q'ty	Description	Area
	E30580-1914A	INSTRUCTION BOOK	1		A,C,EF,U,UT
	E30580-1915A	INSTRUCTION BOOK	1		EN
	E30580-1913A	INSTRUCTION BOOK	1		J
	E03614-004	FM FEEDER ANTENNA	1		
	QPGA025-03505B	ENVELOPE	1		
	RM-SR309U	REMOTE CONTROL	1		
	BT-20025K	WARRANTY CARD	1		C
	BT20071A	SERVICE NETWORK	1		C
	BT-20044G	SAFETY SHEET	1		J
	E35497-015	CAUTION SHEET	1		U,UT
⚠	QMF51E2-4R0J1	FUSE	1		U,UT
	E67142-T4R0	FUSE LABEL	1		U,UT
	QPGA005-00703	ENVELOPE	1		U,UT
	EQB4001-015J3	LOOP ANTENNA	1		
	V04062-001	AC PLUG	1		U,UT
	PECA0786	BATTERY	2		
	EMZ2001-012	AC ADAPTOR	1		EF,EN
	BT-51006-1	REGISTER CARD	1		
	BT20122	WARRANTY CARD	1		
	BT20122-1	LTD STICKER	1		

⚠ : Safety Parts

The Marks for Designated Areas

A ..... Australia
C ..... Canada
J ..... America
EF .... Continental Europe
U ..... Universal
No mark indicates all area.
EN ..... Scandinavia
UT ..... Taiwan

Packing Materials and Part Numbers



The Marks for Designated Areas					
A	Australia	EF	Continental Europe	EN	Scandinavia
C	Canada	U	Universal	UT	Taiwan
J	America	No mark indicates all area.			